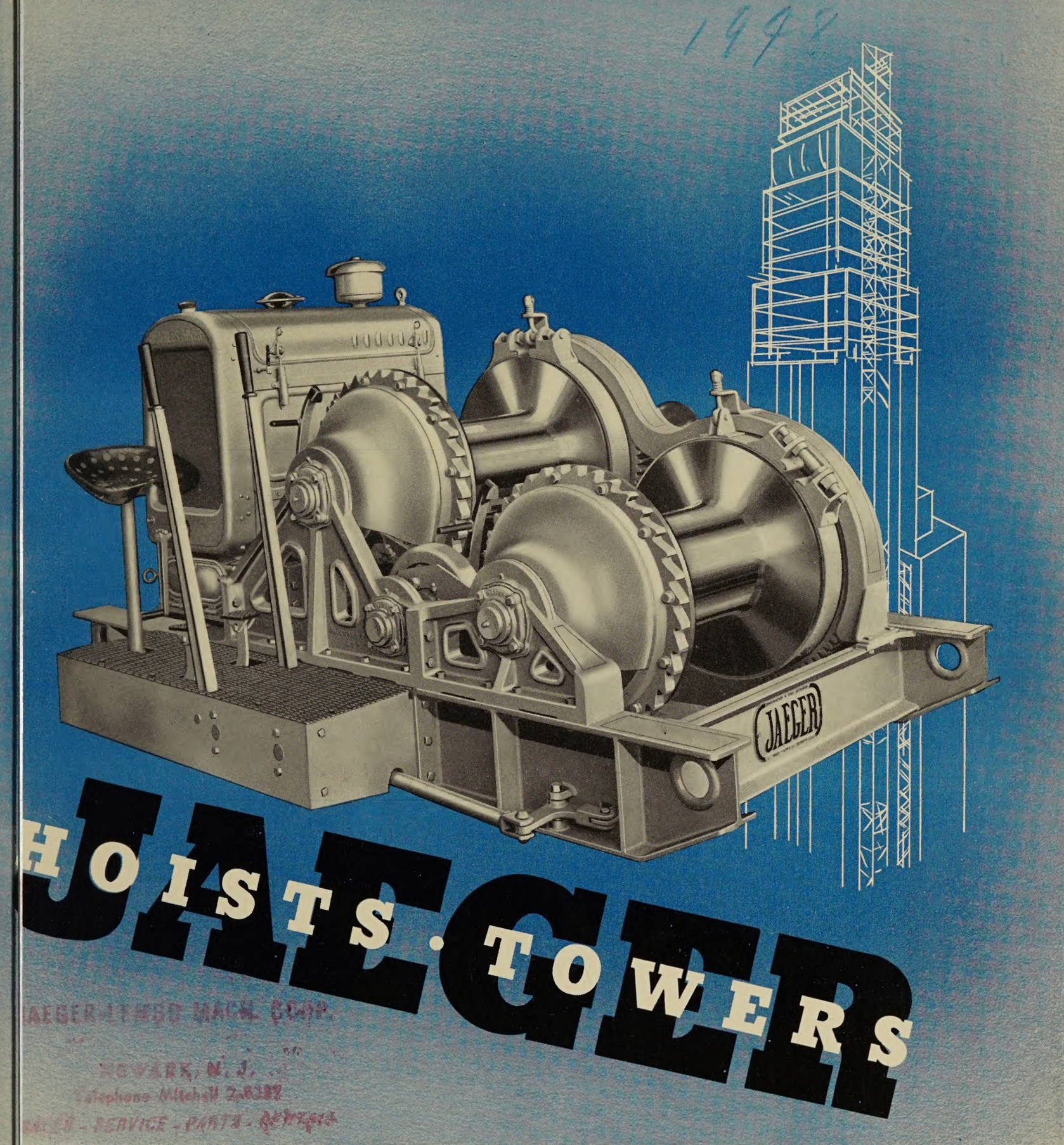


JAEGER HOISTS · TOWERS

CATALOG H-41

INDEX

From Maine to Hawaii, from Alaska to the Argentine, in Europe, Asia, Africa, you will find Jaeger Hoists and Towers cutting costs and making money for their users. We list here a few of the prominent users in the United States and adjacent countries:

Dept. of Water & Power
Los Angeles, Calif.
Austin Company
Cleveland, Ohio
The J. & F. Harig Co.
Cincinnati, Ohio
Fred E. Barrett Co.
San Francisco, Calif.
McCarthy Constr. Co.
St. Louis, Mo.
McCloskey & Co.
Washington, D. C.
Duval County
Jacksonville, Fla.
E. B. Ball & Son
Indianapolis, Ind.
Harry Allsman
Houston, Texas
Highway Dept. of Va.
Richmond, Va.
Julius Theilacker
Milwaukee, Wis.
Midwest Contracting Co.
Minneapolis, Minn.
Feyen Constr. Co.
St. Paul, Minn.
Brooks & Dahlgren, Inc.
Oklahoma City, Okla.
Okla. State Highway Dept.
Oklahoma City, Okla.
C. H. Peterson & Co.
Minneapolis, Minn.
Contratista Y. Distribuidora
Mexico
U. S. Military Academy
West Point, N. Y.
Arundel Corp.
Ela, N. C.
Carl Lindberg
Jamestown, N. D.
Leslie G. Ogilvie & Co., Ltd.
Montreal, Que., Canada
Potter & Shackelford
Aiken, S. C.
C. & O. R. R. Co.
Richmond, Va.
C. J. Fayen
New York, N. Y.
Jones & Laughlin Steel Corp.
Aliquippa, Pa.
Bristol Steel & Iron Works
Bristol, Tenn.
H. W. Underhill Constr. Co.
Dallas, Texas
Townsend Lumber Co.
Hampton, Va.
Fredericksburg Bridge Co.
Fredericksburg, Va.
John Herkeim
Madison, Wis.
Johanning & Huberty
Freeport, Ill.
O. Bakken & Co.
Rockford, Ill.
Conrad Iber Co.
Peoria, Ill.
State of Illinois
Springfield, Ill.
Holze Constr. Co.
Sioux City, Iowa

In 2 Short Years Thanks to Jaeger Engineers in Design and Construction Leaped to a

1 GIANT EXPANDING FRICTIONS

Recognized as the most revolutionary development in hoists in a generation, Jaeger self-energizing Giant Expanding Frictions or Clutches control multi-ton loads with only finger-tip pressure—4 to 10 pounds instead of the 70 pounds required on old-style hoists with cone clutches. They are designed just like the frictions on $15,000 cranes and shovels. Used from 36 H.P. Utility up to 100 H.P. Heavy Duty Hoists.

2 ANTI-FRICTION BEARINGS

Here again Jaeger revolutionized hoist construction in discarding the traditional babbit and bronze bushings in favor of anti-friction bearings on drums and shafts at no extra cost to you. This improved construction means savings in power of as much as 20 per cent, smoother operation, freedom from breakdowns and delays, longer life, and more satisfactory service. This construction used in popular priced 36 H.P. Utility Hoists up to largest 100 H.P. Hoist.

3 PERFECTLY BALANCED DRUMS

Smoother playing out and winding up of cable . . . less wear and tear on bearings, power transmission, gears, shafts . . . more efficiency from the power plant—these are the advantages you get with Jaeger Drums which are machined or ground to perfect balance on all sizes.

4 ADVANCED FRAME CONSTRUCTION

Combination all steel base and side frames used on all hoists up to 50 H.P.—rigid steel base and side frames used on Heavy Duty line. Reinforced vertically and horizontally, accurately machined for perfect alignment of drums and bearings, jig-drilled for easy addition of a second or third-drum—these are features that put Jaeger frame construction years ahead of the field.

5 SMOOTH, MULTI-CYLINDER POWER

Reliable, conservatively rated engines for faster pick-up and greater safety . . . up to 8 cylinders (or diesel engines on heavy duty models) for smoother performance . . . silent link-belt drive for maximum power and minimum fuel consumption and easy change-over to electric drive or different horsepower—another reason why Jaeger Hoists are world-wide leaders.

6 NEW LOW PRICES

Standardized construction, eliminating hundreds of parts and simplifying manufacturing procedure to the mass production of only 5 basic types of hoist, enables Jaeger to give you higher quality and better designing at lower prices.

these Revolutionary Improvements Performance, Jaeger Hoists World-Wide Leadership

The history of hoisting engines is a gradual advance from the heavy, immobile steam power of a generation ago to present day multi-cylinder internal combustion engines—marvels of smoothness, flexibility, dependability, economy.

But all hoist progress seemed to stop with the engine. The hoist itself remained as old-fashioned as ever—heavy, wasteful, inefficient, back-breakingly hard to operate.

Three years ago the picture changed. Jaeger pioneered an entirely new line of hoists that, in a single stride, stepped over the lack of progress of thirty years.

Contractors, looking at these new units, saw hoists that were entirely different in their fundamental principles of design. Gone were the old man-killing "V" clutches, replaced by self-energizing Giant Expanding Frictions or Clutches that required but 4 to 10 pounds pressure—so light to the touch that a boy could operate them. Babbitt and bronze were supplanted by anti-friction bearings. Heavy cast iron frames were changed to steel.

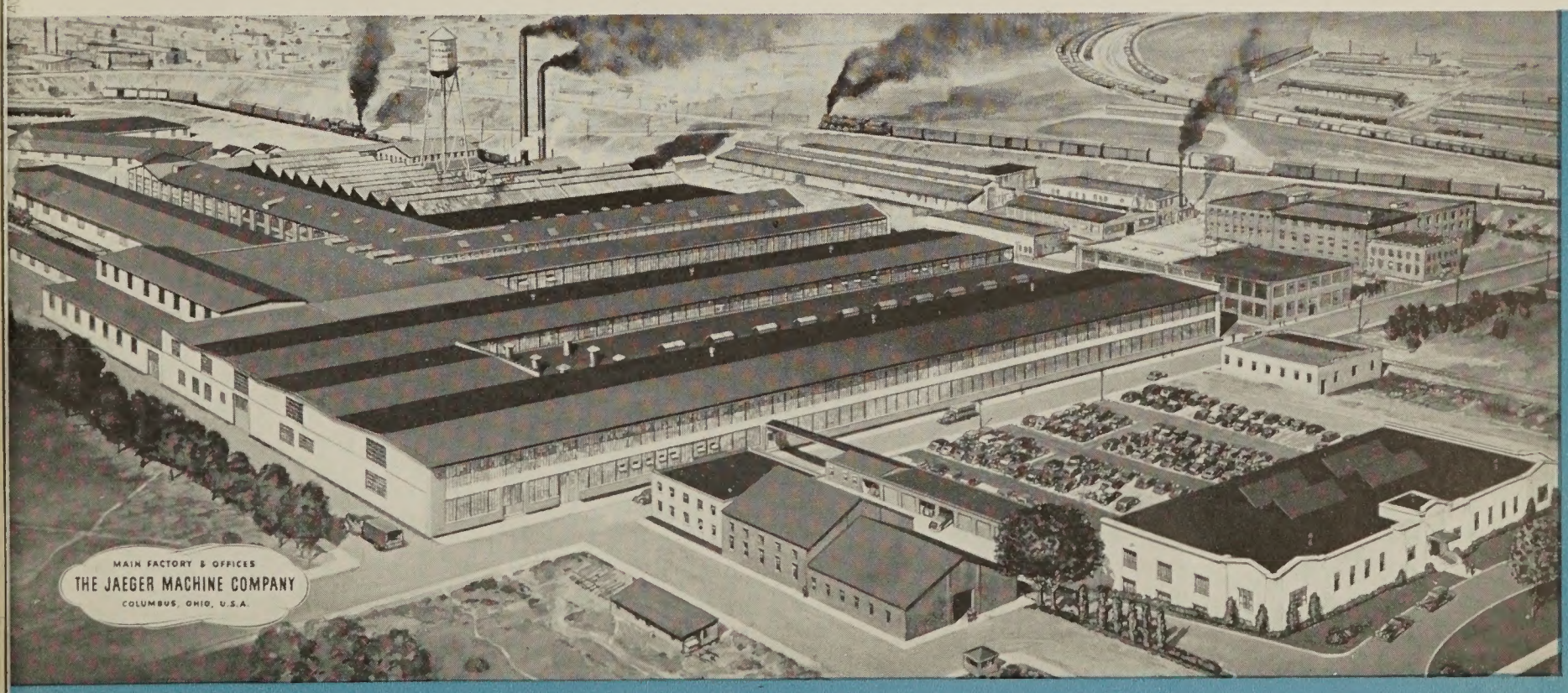
Along with all this they found simplicity of construction, ease of maintenance, interchangeability of power and drum sections, flexibility in application—hoists that set new standards of value and performance at prices sensationally low.

Within a short two years, Jaeger Hoists had come to lead the world. Today, wherever there are loads to be handled, you will find Jaeger Hoists cutting costs, saving time, making money for their users.

Examine one yourself, in only five basic types but in all sizes from 6 to 100 horsepower . . . one, two, or three drum . . . gasoline, diesel, or electric driven.

Co-workers with Jaeger Hoists in lifting loads and placing materials economically are Jaeger-Lakewood Towers and Placing Equipment . . . equipment that for 25 years has been the standard of excellence in safety and performance . . . equipment built for the tallest skyscraper and biggest dam down to small, popular priced mast-towers for track elevation and schoolhouse work—towers from 30 to 500 ft.

Back of this Jaeger Equipment is a world-wide organization with stocks for sales, service, and rentals located in more than 120 cities in the United States, Canada, and foreign countries.



4 to 10 Lbs. Finger Pressure Controls Giant Loads

Giant Expanding Frictions or Clutches replace old back-breaking wood cone frictions that require up to 70 pounds to operate. Easier, faster, surer, safer! Same principle of self-energizing frictions is used on $15,000 Cranes and Shovels where one man must control a continuous succession of 20-ton loads all day.

THE SAFE FRICTION

Just a touch of the controls, no more than it takes to shift gears in your car, 4 to 10 pounds at most—that's all the energy required to operate the self-energizing Giant Expanding Frictions of a Jaeger Hoist. Old "V" type frictions required from 40 to 70 pounds. Jaeger's moulded copper-insert "V" friction used on Model "A" Hoists, requires only a a fraction of pressure generally used.

As a result, the operator of a Jaeger Hoist has the "feel" so necessary in good hoist work. He does a better job . . . does it faster, easier . . . spots the load smoothly and accurately. On high tower work, the lever may be thrown full way and held without exertion.

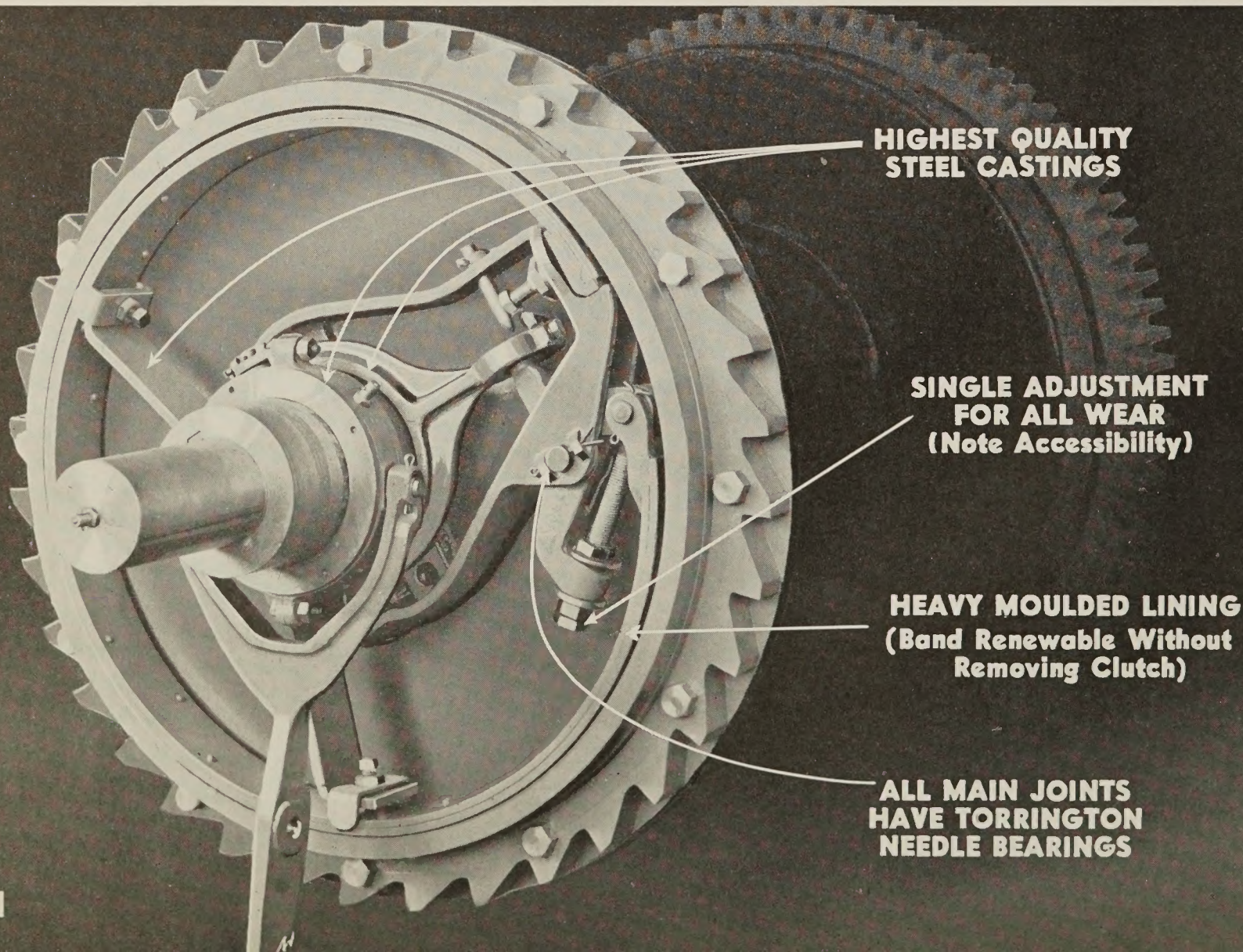
Giant Expanding Frictions—24" in diameter on 55 H.P. or larger and 20" on 36 to 50 H.P.—are deliberately oversize for safety and more years of wear. Relined without tearing down the hoist as is necessary on old cone types. A single adjustment compensates for wear. Extremely simple and proved on thousands of big crane and shovels as most economical for hard, continuous operation.

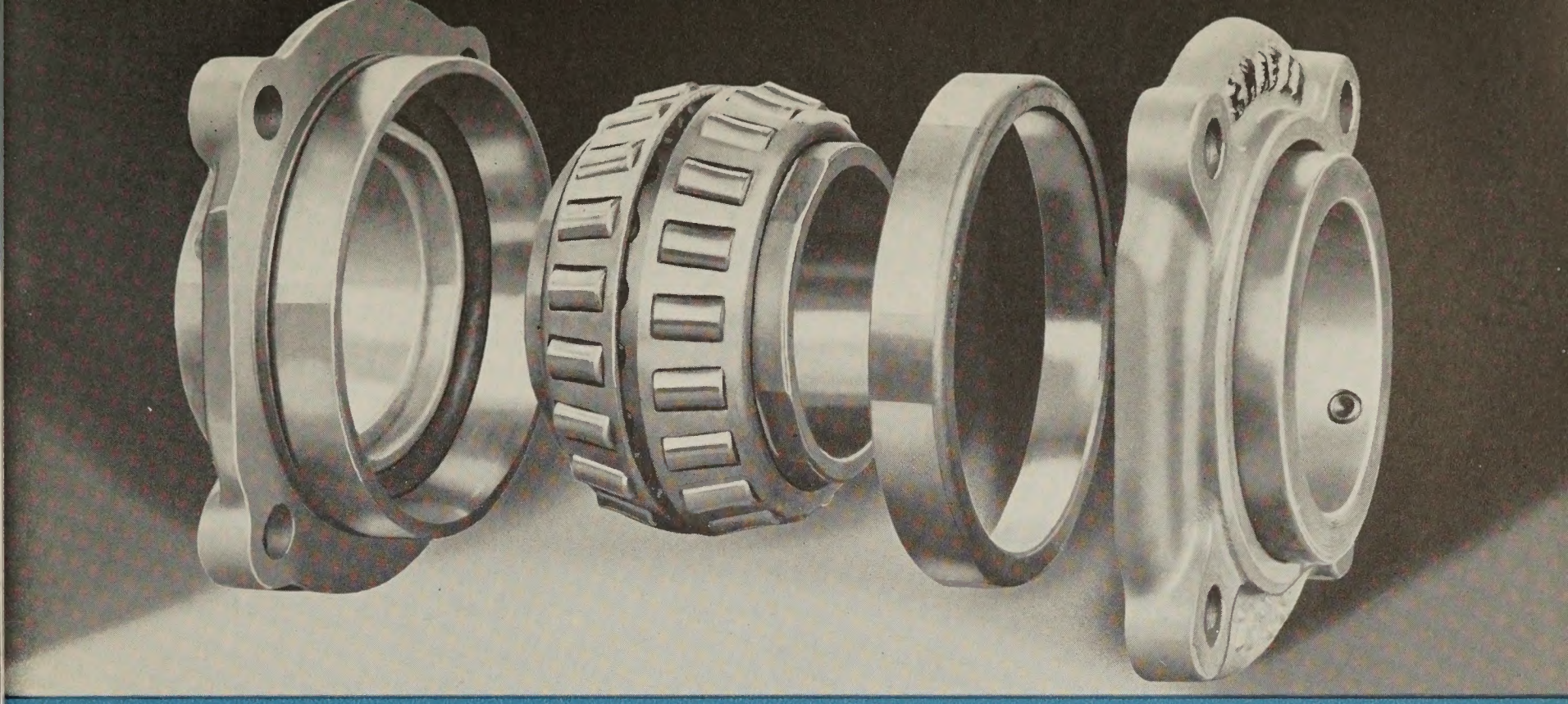
PERFECTLY BALANCED DRUMS

Smoother operation, longer life for bearings and cables, less vibration—these are a few of the advantages of Jaeger's practice of casting drums in one piece and finishing them to a perfect balance. Larger sizes are machined and polished. Smaller sizes are ground for smoothness and balance.

Drums are of finest semi-steel and dimensions are liberal. Steel safety ratchet on all Model "B", "C", and "D" Hoists are removable; on all smaller hoists, ratchet is double shrouded. Pawls are of forged steel for extra toughness. The shafting is of the finest hardened steel, ground to size. Key seats are accurately milled. Controls and brake shaftings are of cold rolled steel. Operating levers cast steel.

Drums roll on ball bearings and carry reserve supply of grease. Special dust-proof collars in drum bearings prevent sand or dust entering bearings. Workmanship and finish are in line with today's best automotive practices.





Anti-Friction Bearings Save 20% in Power..Assure Long Life

World's Finest Automotive Bearings Replace Babbitt and Bronze Bushings for Heavy Work--at No Extra Cost to You

Babbitt bearings and bronze bushings haven't got what it takes to meet today's requirements in speed, loads, and efficiency in larger hoists. Discarded in practically all other lines of machinery, Jaeger also discards them in all Jaeger Model "B", "C", and "D" Hoists . . . discards them in favor of smooth running, power-saving roller and ball bearings.

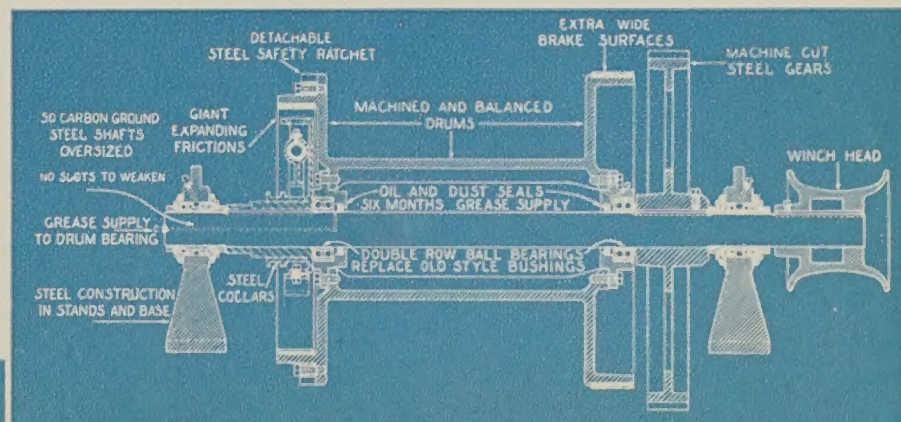
Two kinds of anti-friction bearings are used in Jaeger Hoists . . . double-row roller bearings such as Timkens for the heavy drum shafts, double-row ball bearings for the drums themselves.

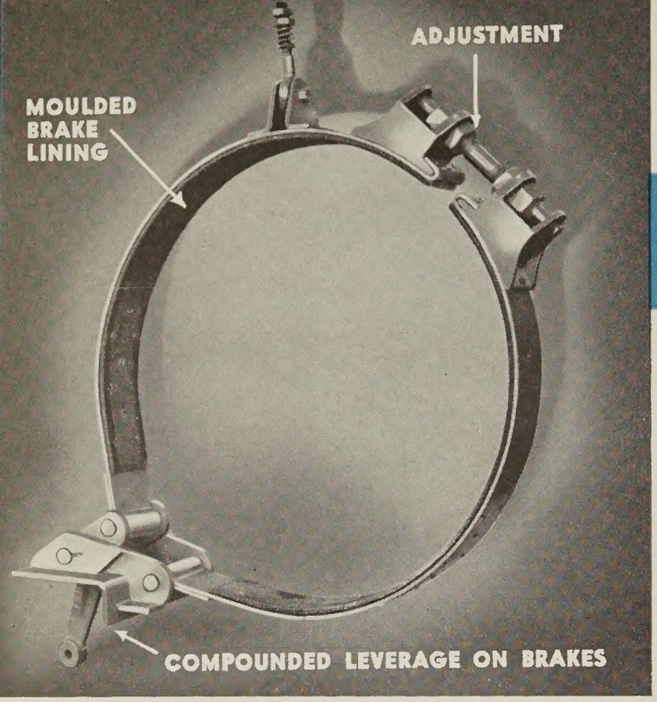
The result is smooth flowing power, power savings up to 20 per cent, freedom from breakdowns and delays, longer life and more satisfactory service down through the years—at no additional cost to you.

These double-row bearings are not only sealed in by dust and oil-proof seals but also carry, by reason of their construction, a large surplus of grease so that a careless operator will not ruin the bearings by a few days' neglect.

This advanced construction is just another example of Jaeger's policy of building the very highest quality possible at no additional cost to you. Other manufacturers supply anti-friction bearings as extra equipment. Jaeger makes them standard construction.

Jaeger builds over a hundred different kinds of contractors' machines and uses ball or roller bearings in 90 per cent of them. Babbitt bearings and bronze bushings are used only in the popular priced, smaller lines, in hoists of less than 36 H.P. where load factors are safe for these materials and costlier construction not warranted.

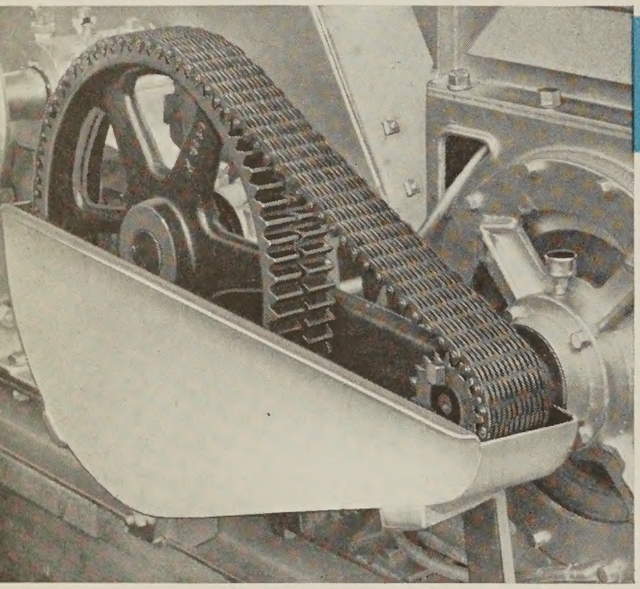




Smooth, Powerful Brakes

All Jaeger Brakes are of the band type, extra wide and powerful and operated through compound leverage of foot pedals. Release is automatic when pressure is removed from foot lever or tread. Located on end opposite to clutch friction—stay cool. Linings are a special, molded asbestos for positive grip and long wear. Adjustment is simple through a big adjusting bolt with lock nuts on top of brake.

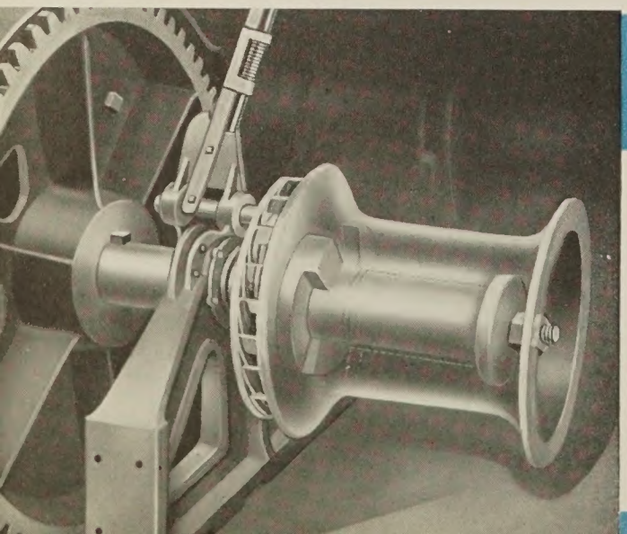
In addition to standard foot brakes, Jaeger Hoists can also be furnished with mechanical automatic brake if specially ordered. Mounted on the intermediate shaft, this brake prevents backward rotation of gears if power should fail. Brake is quick, powerful, and has little wear.



Power Easy to Interchange

Transmission of power from the engine to the hoist is through a powerful link belt—a positive drive without slip or loss of power. Chain runs in a bath of oil and is fully enclosed in substantial, dust-proof, steel housing.

By using average 1160 R.P.M. engine, the hoist is interchangeable in the field with electric motor of 1000 to 1200 R.P.M. The entire change-over is easily and simply made in the field.



One-Piece Winch Head

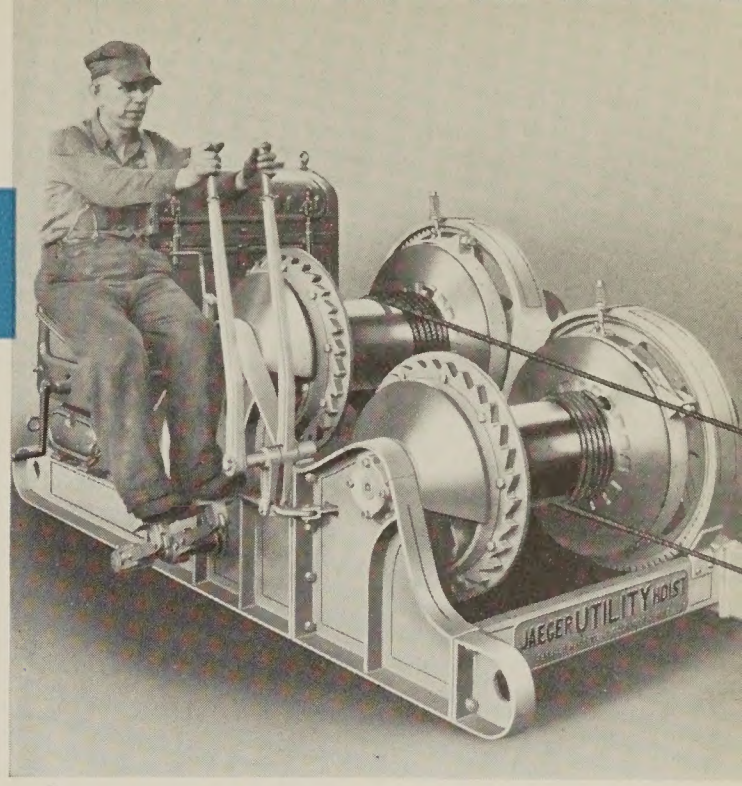
For use with manila rope, this winch head is fitted and keyed on end of drum shaft and thoroughly secured in place with heavy lock nut. Supplied as an extra, it is easily attached in the field.

One piece construction of semi-steel, smoothly machined or ground. Safety ratchet is shrouded for additional strength—and safety. Independent declutching winch heads can be furnished if ordered with hoist.

All Controls Easy to Reach

The operator has perfect control of a Jaeger Hoist. On Model "B", "C", and "D" Hoists he sits in a comfortable seat . . . in a position to command the job—with all levers conveniently banked.

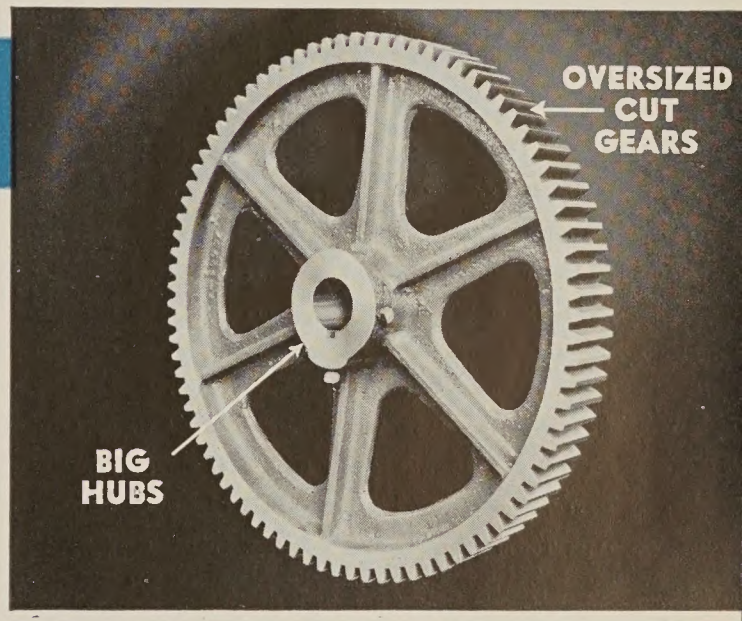
Engine, throttle, foot brakes, and safety ratchet controls are within easy reach. Demand is almost entirely for banked levers. However, individual levers for control at each drum can be furnished at no extra cost if specified at time of buying hoist.



Large Machine-Cut Gears

The gears and pinions of every Jaeger Model "C" and "D" Hoist are of the finest electric cast steel, turned to perfect roundness, and teeth machine cut for smooth, efficient, economical transmission of power.

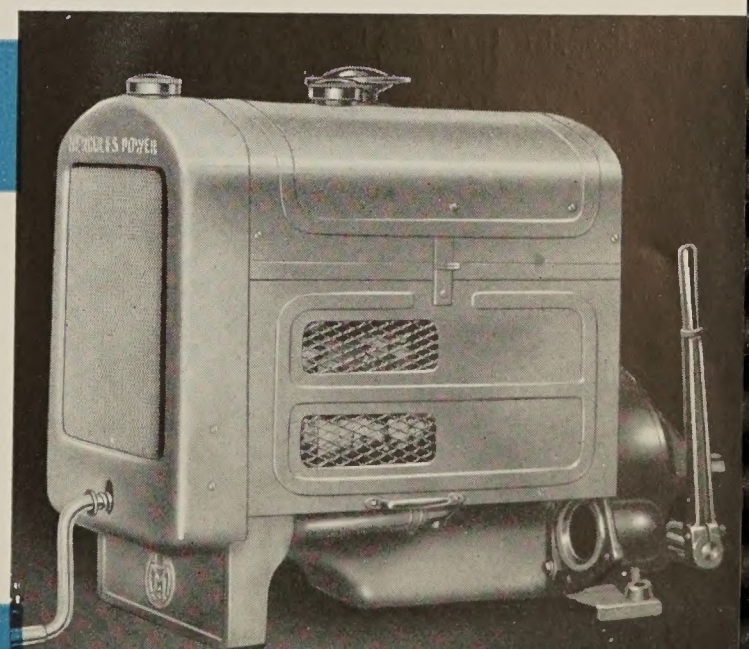
All gears, shafts, and pinions are of liberal dimensions to stand the largest load capacity designated in a hoist of any given class. For example in "Utility" Hoists of 36 to 50 H.P. the hoist has the strength for a 50 H.P. operation. Thus, when you buy the 36 H.P. Hoist you get 50 H.P. strength, but you pay no penalty for this oversize construction because of the economies of building fever types.



Dependable Power Plants

The engines in Jaeger Hoists are of standard, reputable manufacture—proved by many years' use in other Jaeger equipment. All engines are full sized, conservatively rated, and guaranteed for power requirements. Electric starters are standard on hoists of 55 H.P. and up. Can be supplied as extra on "Utility" and "Dixie Special" models.

Standard electric motors are 3 phase, 60 cycle A.C. constant speed, squirrel cage type. Variable speed or special type motors can be furnished to meet special requirements.



There's a JAEGER Hoist for Every Job

With only five basic types of hoists, Jaeger supplies a complete range of sizes and models from 6 to 100 H.P.—single, double, or triple drum; gasoline, electric, or diesel powered.

"Hoisters" 6 to 17 H.P.; Model "A" 17 to 36 H.P.; Model "B" 36 to 50 H.P.; Model "C" Heavy Duty 55 to 65 H.P.; and Model "D" Heavy Duty 75 to 100 H.P.

The only difference between hoists of different size in each class is the size of the engine. Base, frames, drums, pawls, expanding frictions, everything else is the same, built to handle the largest horsepower in each class.

The result is a tremendous simplification of manufacturing procedure . . . increased sales volume on each basic type . . . and a drastic cut in manufacturing costs due to mass production. Resulting savings are passed on to you in the form of the finest hoists on the market, at lowest prices.

Jaeger Hoists are designed for use with single, double, or triple cage towers, or mast plants in elevating concrete, brick, mortar and other materials—for pile driving and hoisting with derrick—for mines, quarries, and sandpits, for spotting and hauling cars — for dock or ship, handling cargoes—for logging camps and lumber yards.

If you buy a single drum hoist and later wish to handle derrick boom, clamshell, or other multiple drum work, you simply add a second or third drum. Third drum often saves cost of an extra hoist. Boom swinger can be furnished for two or three drum hoists, easily mounted on front.

Selecting a Hoist

We give below some average working conditions. Special heavy elevators, buckets, or unusual conditions must be computed. All line pulls and speeds are based on second wrap of cable on drums with single line operation—a two-part line will have about 100% greater capacity than a single line.

OPERATION		Line Pull Required—
Platform Material Elevator.....	1 Wheelbarrow with load..	2500
Platform Material Elevator.....	2 Wheelbarrows with load..	3100
Platform Material Elevator.....	3 Wheelbarrows with load..	4000
Inside Concrete Tower Bucket.....	7 cu. ft. capacity with load	2500
Inside Concrete Tower Bucket.....	14 cu. ft. capacity with load	4400
Inside Concrete Tower Bucket.....	28 cu. ft. capacity with load	7500
Mast Tower Concrete Tower Bucket	7 cu. ft. capacity with load	2300
Mast Tower Concrete Tower Bucket	18 cu. ft. capacity with load	4000
Mast Tower Concrete Tower Bucket	27 cu. ft. capacity with load	6000
Mast Tower Concrete Tower Bucket	36 cu. ft. capacity with load	7500

HOW TO FIGURE HORSE POWER FOR HOISTS

Gasoline Engine Driven Hoist . . . Actual Horsepower. Multiply line speed in feet per minute by load in pounds and divide by 28,000.

$$\text{Formula: H.P.} = \frac{\text{F.P.M. x Load in Pounds}}{28{,}000}$$

Example: Load, 5000 lbs.
Line Speed Desired, 250 F.P.M.

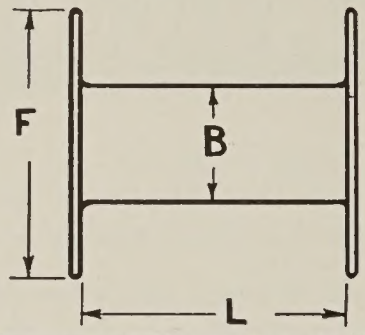
$$\frac{250 \times 5{,}000}{28000} = \frac{1250000}{28000} = 46.6 \text{ H.P.}$$

Electric Motor Driven Hoist . . . Actual Horsepower. Multiply line speed in feet per minute by load in pounds and divide by 29,000.

$$\text{Formula: H.P.} = \frac{\text{F.P.M. x Load in Pounds}}{29000}$$

Example: Load, 5000 lbs.
Line Speed Desired, 250 F.P.M.

$$\frac{250 \times 5{,}000}{29000} = \frac{1250000}{29000} = 43.1 \text{ H.P.}$$



CABLE CAPACITIES

How to Figure Cable Capacity

$$\frac{F^2 - B^2}{N^2} \times L \times 4.1875$$

F, B, and L are in inches
N=diameter of cable x 8
(For ½" Cable N = 4)
(For ⅝" Cable N = 5)

DRUMS			CABLE CAPACITY IN FT.			
Diameter Barrel	Length Between Flanges	Dia. of Flange	⅜	½	⅝	¾
7½"	15¾"	17"	1250	700	....	....
10"	16"	19½"	1535	860	550	380
12"	22"	27"	4900	2770	1760	1225
12"	22"	25½"	4170	2350	1500	1045
14"	26"	31"	7800	4390	2800	1950

In figuring the above capacities, we have allowed for a one inch margin on the flange, as cable should never be wound to the extreme edge.

CLAMSHELL BUCKET REQUIREMENTS

Size of Bucket	LINE PULL REQUIRED		
	Coal	Crushed Rock	Sand
½ yard	3500	4600	4600
⅜ yard	4500	6200	6200
1 yard	5800	7400	7400
1½ yard	7550	10000	10000
2 yard	9800	....	....

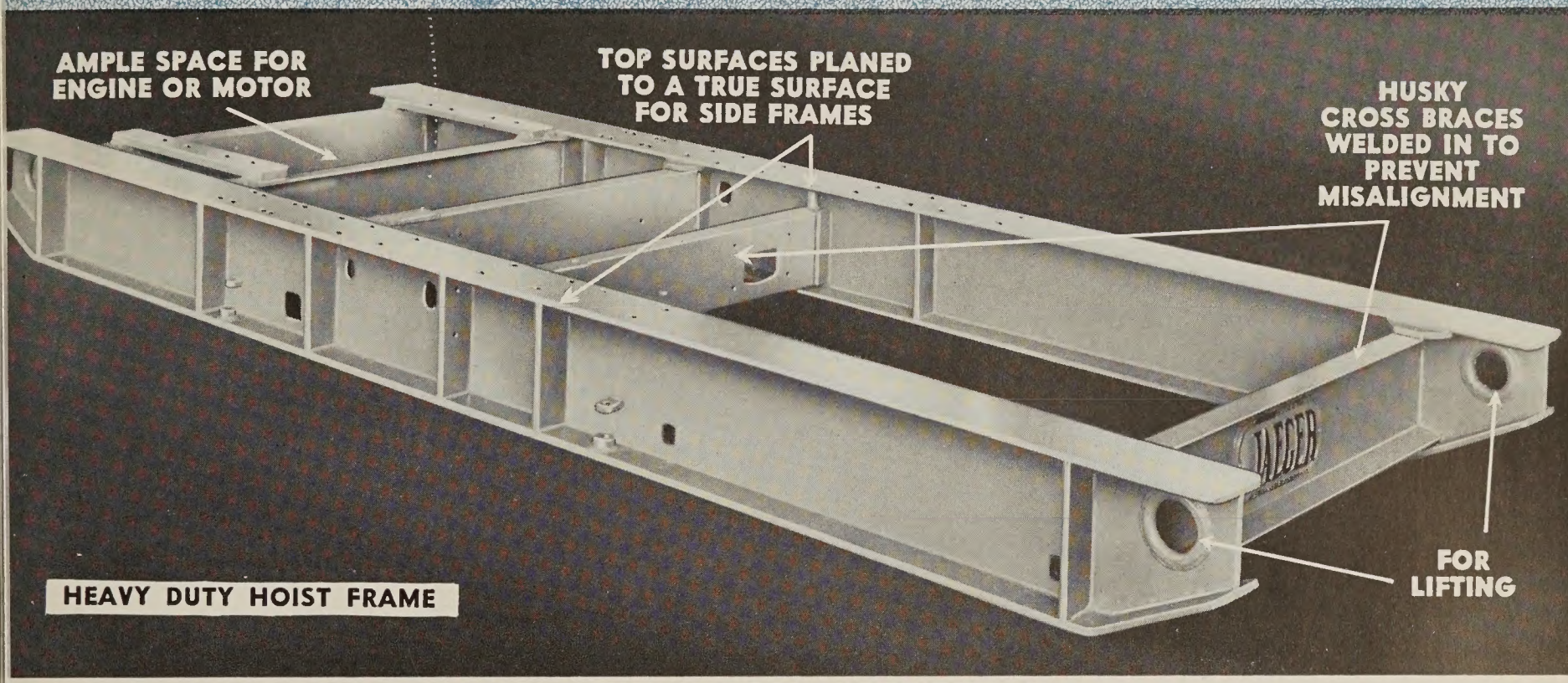
DRAGLINE BUCKET REQUIREMENTS

The table at right gives the approximate line pulls for various size drag line buckets.
(Note: It should be understood that these figures are only approximate and do not hold good on all dragline operations due to varied conditions.)

Size Bucket Cu. Yd.	Line Pull
½	3000 lbs.
¾	4000 lbs.
1	6000 lbs.
1½	9000 lbs.
2	12000 lbs.

Heavy Duty Hoists .. 55 to 100 H.P.

with Massive Base and Side Frames of Steel for Strength, Safety, Rigidity



HEAVY DUTY HOIST FRAME

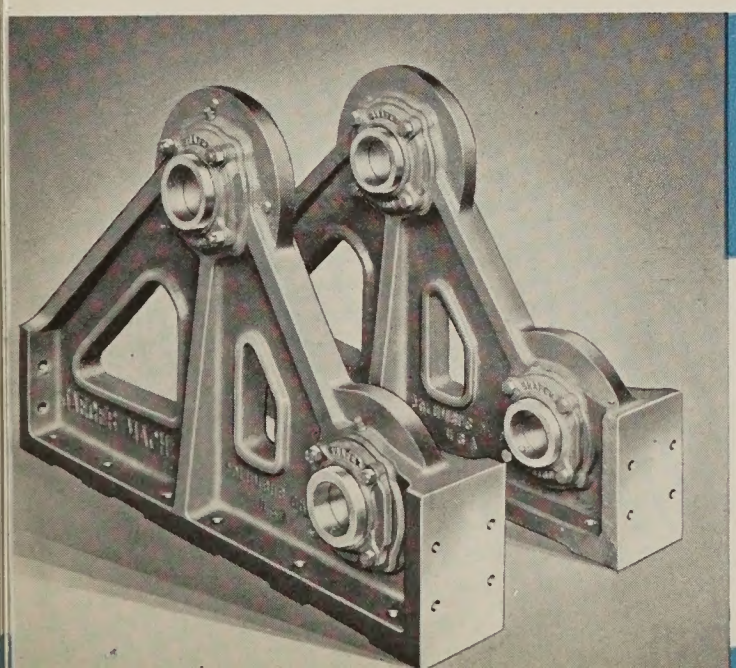
The frame of a Jaeger Heavy Duty Hoist is made entirely of steel—heavy "I" beam sections welded together, reinforced with husky gussets and cross braced. There's not a nut or bolt in the entire frame to come loose. The hoist stays in perfect alignment.

Top surface of main frame is planed for perfect contact with the machined bottom surface of the side frame. The result is perfect alignment of all parts, absence of vibration in operation, longer life to bearings, shaftings, cable.

Front and rear ends of the two side members are angled upward from skids and provided with holes, reinforced, for lifting and for easy moving about on the job.

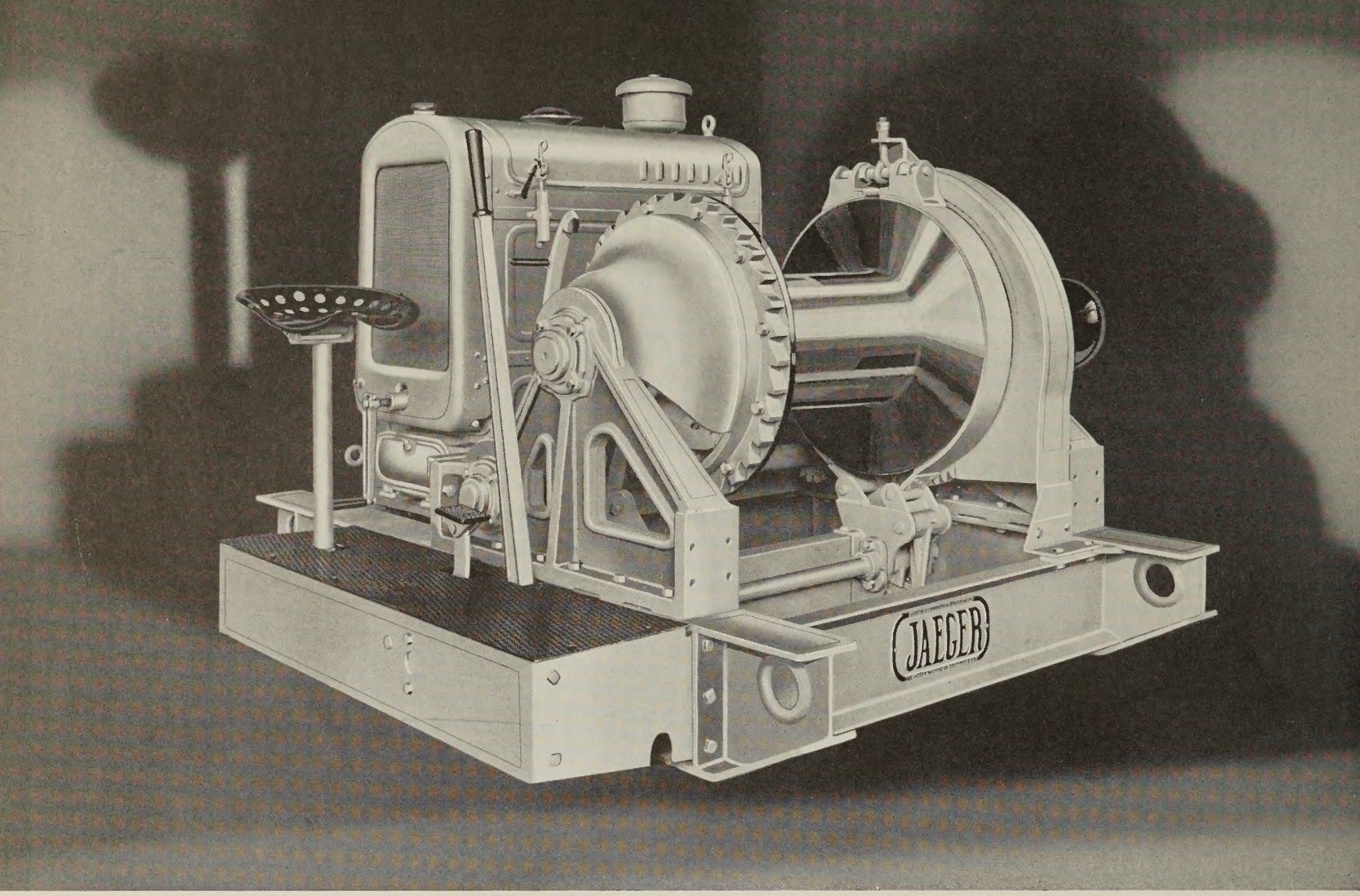
On single drum hoists, frames long enough to provide for attaching a second drum can be furnished at no extra cost, if ordered at time of ordering hoist.

Class "C" frames are furnished for 55 and 65 H.P. engines, and Class "D" frames (extra heavy) for 75, 85 and 100 H.P. engines.



Side Frames are Over-Size for Extra Strength

The side frames on all Class "C" Jaeger "Heavy Duty" Hoists of 55 and 65 H.P. are of a special grade of semi-steel in oversize sections with tensile strength up to 50,000 pounds. On Class "D" of 75, 85, and 100 H.P., the frames are of cast steel. All frames are accurately machined at ends and over the entire surface that rests on the hoist frame or bed, thus providing absolute alignment of bearings. Castings are jig bored for interchangeability.



HEAVY DUTY SINGLE DRUM GASOLINE HOIST

A HOIST OF MANY USES

Most widely used on concrete bucket work with Jaeger Mast Towers, for general hoisting of steel or timber and also on single cage material elevators.

SPECIAL DRUMS AND DRIVE CHAIN

Can be furnished for hod hoist operation where average speeds of 350 to 400 ft. per minute are required, if you prefer not to lag your present drum.

RELIABLE POWER

We use only reliable engines—Hercules or Waukesha power; All engines have special throttle controls convenient to operator. See note "X" for details of power.

SPECIAL SPEEDS

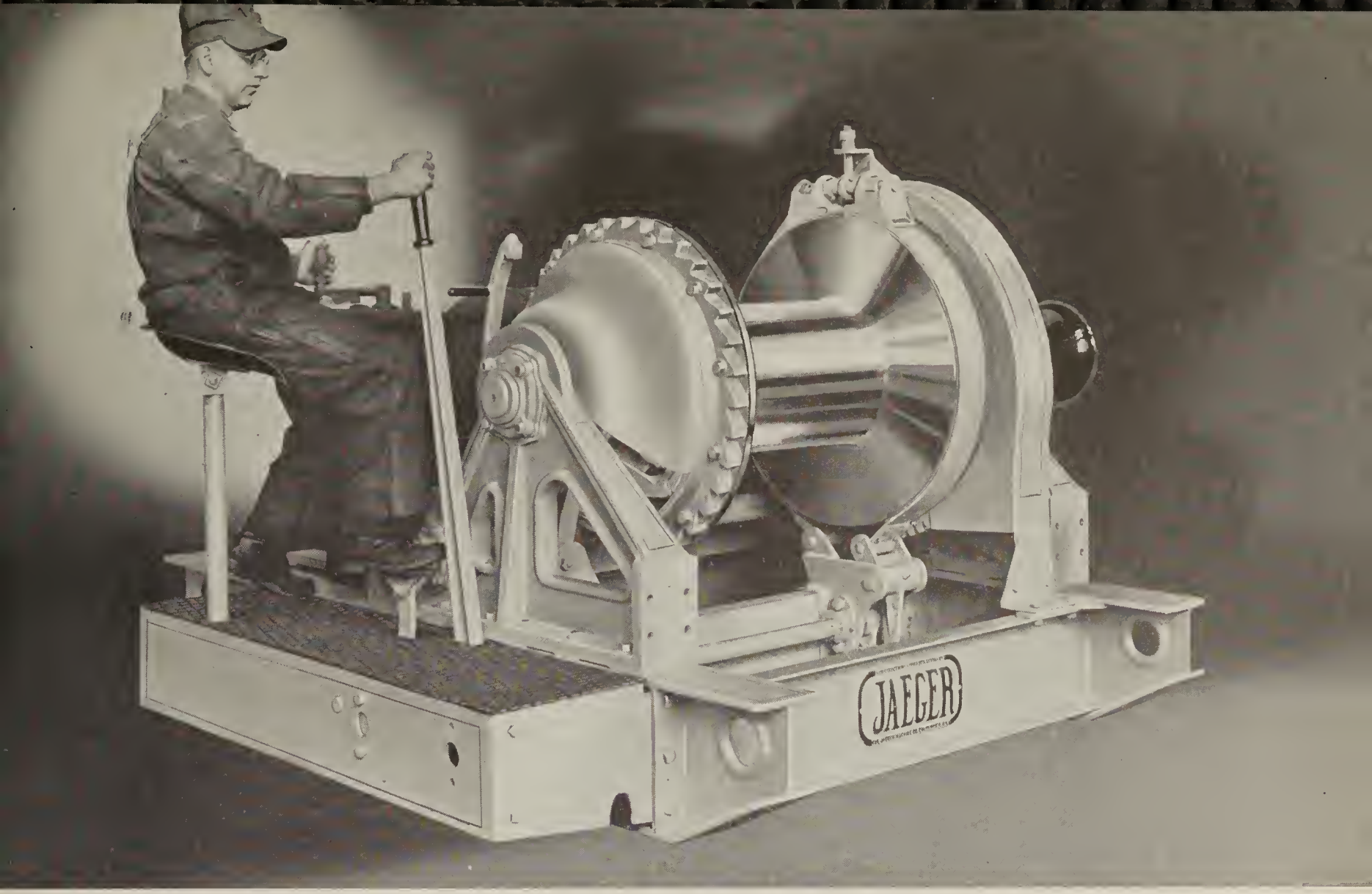
By simply lagging up the drum you can increase speeds 50%. We can also furnish special drums and gears for high speeds.

SPECIFICATIONS

SINGLE DRUM "BALL BEARING" HOIST—GASOLINE ENGINE

	HOISTING CAPACITY		ENGINE		DRUMS			MATERIAL			
Cata. No.	Single Line Pull On 2nd Wrap	Feet Per Minute On 2nd Wrap	H. P.	No. Cyls.	Dia. In.	Length In.	Flange Dia. In.	Gears Cut Teeth	Side Frame	Weight Approx.	Code Word
1C	Less Power				12	22	25½	Steel	Semi-Steel	3825	HARIX
1C1	6000	210	55	4	12	22	25½	Steel	Semi-Steel	5500	HAROZ
1C2	7000	170	55	4	12	22	25½	Steel	Semi-Steel	5500	HARUB
1C3	7000	200	65	6	12	22	25½	Steel	Semi-Steel	5700	HARUA
1D	Less Power				14	26	31	Steel	Steel	5000	HAULT
1D1	8300	225	75	6	14	26	31	Steel	Steel	7175	HAUPY
1D2	10500	200	85	6	14	26	31	Steel	Steel	7350	HAURB
1D3	11800	200	95	6	14	26	31	Steel	Steel	7350	HAUSC

Note "X"—Automatic safety brakes can be furnished as an extra. Clutch standard on all above gas engines—Electric Starters and Generator (less battery) furnished on all engines 55 H.P. or larger—standard hoist controls as illustrated.



HEAVY DUTY SINGLE DRUM ELECTRIC HOIST

A HOIST OF MANY USES

Most widely used on concrete bucket work with Jaeger Mast Towers—for general hoisting of steel or timber and also on single cage material elevators.

SILENT CHAIN DRIVE

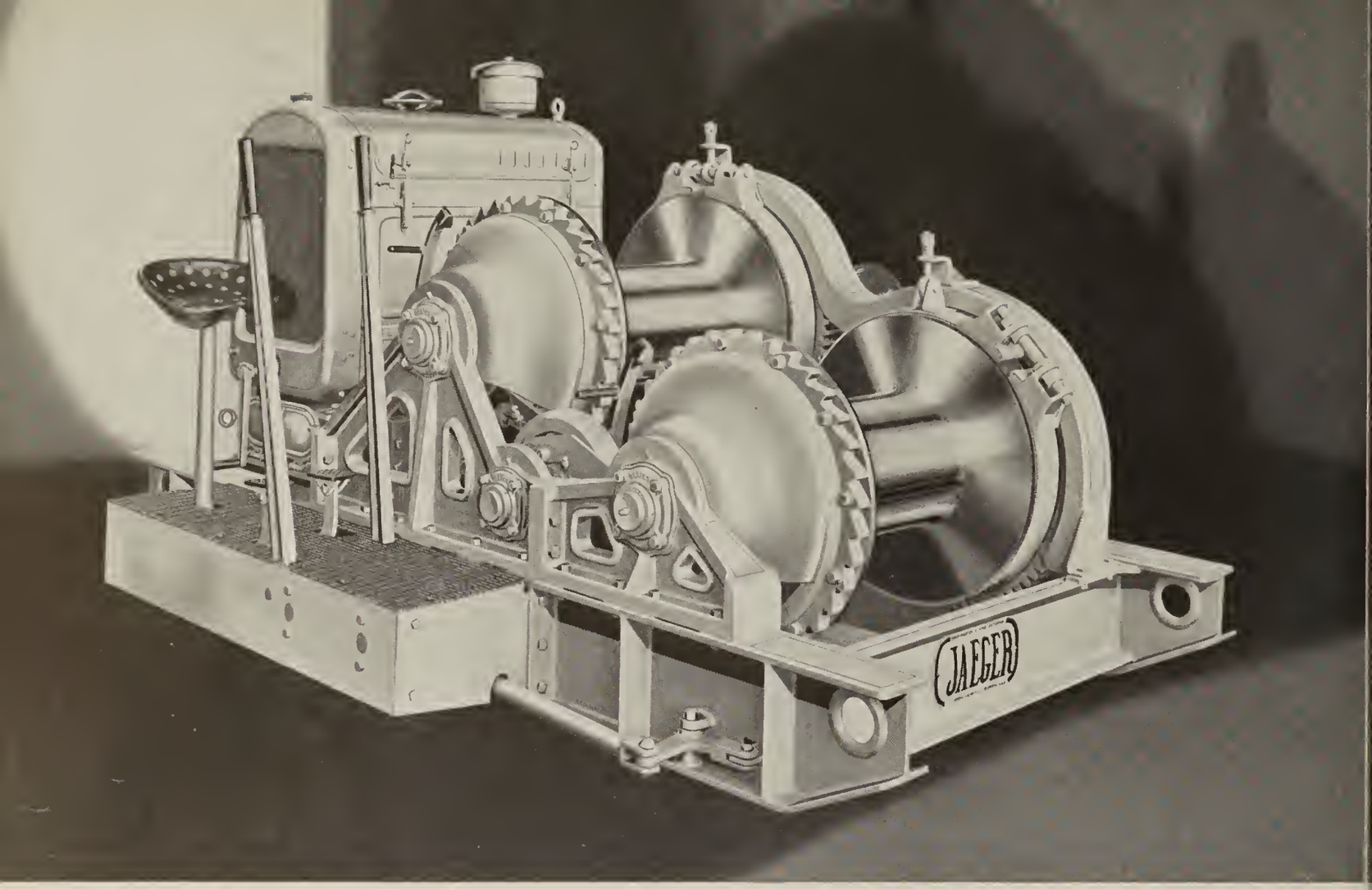
By this non-slipping silent drive it is a simple matter to interchange from gas engine to electric motor as approximate working speed is 1200 R.P.M. for either. We merely change the pinion on engine or motor to conform to bore required. The chain runs in a bath of oil.

SPECIFICATIONS

SINGLE DRUM "BALL BEARING" HOIST—ELECTRIC MOTOR DRIVE

Catalog No.	HOISTING CAPACITY		MOTOR	DRUMS			MATERIAL		Weight Approx.	Code Word
	Single Line Pull On 2nd Wrap	Feet Per Min. On 2nd Wrap	H. P.	Dia. In.	Length In.	Flange Dia. In.	Gears Cut Teeth	Side Frame		
1C	Less Power			12	22	25½	Steel	Semi-Steel	3825	HARIX
1CE1	6000	245	50	12	22	25½	Steel	Semi-Steel	5450	HEKAS
1CE2	7000	245	60	12	22	25½	Steel	Semi-Steel	5500	HEKET
1D	Less Power			14	26	31	Steel	Steel	5000	HAULT
1DE1	8500	255	75	14	26	31	Steel	Steel	6900	HOGGY
1DE2	11400	255	100	14	26	31	Steel	Steel	7500	HOGIC

Prices of electric motors are based on A.C., squirrel cage, 3 phase, 60 cycle, open type construction, rated on 40 deg. C. continuous temperature rise, and are normally equipped with oil-ring sleeve bearings. We will be glad to quote on motors of other characteristics as well as slip-ring or variable speed motors. In writing, give us phase, voltage, cycle, and type of motor and current. Automatic Safety Brake can be furnished as an extra on Heavy Duty Hoists.



HEAVY DUTY DOUBLE DRUM GASOLINE HOIST

THE double drum Jaeger is adapted for all general derrick, pile driving, steel erection and general construction work. Special attachments like boom swingers (see Page 19) and independent jaw clutch winch heads can be furnished for use in bridge work. Special speeds can be had by lagging or we can furnish extra diameter drums.

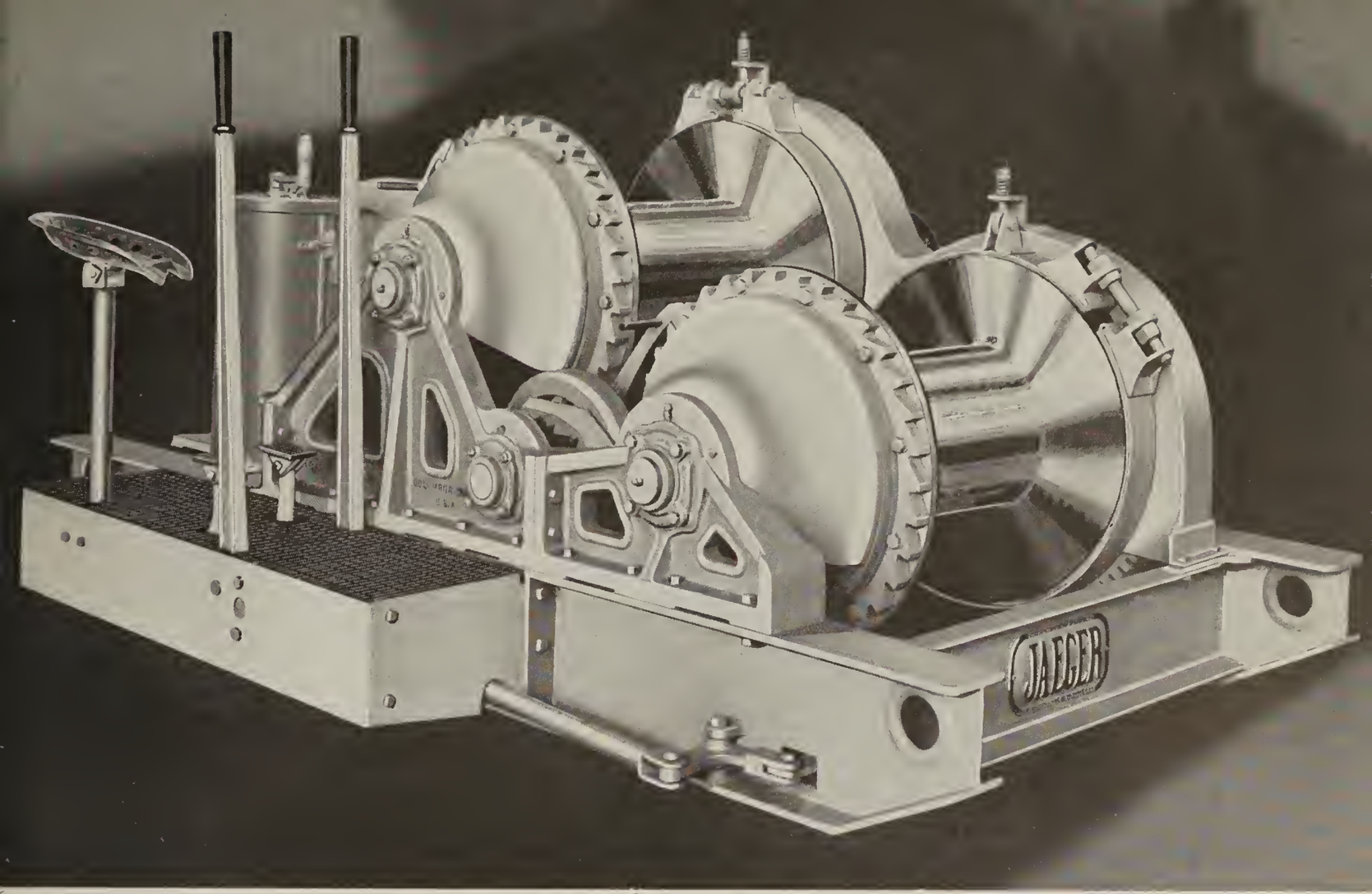
Banked levers as shown are standard. Upon request, levers for individual drum operation can be provided.

SPECIFICATIONS

DOUBLE DRUM "BALL BEARING" HOIST—GASOLINE ENGINE

	HOISTING CAPACITY		ENGINE		DRUMS			MATERIAL			
Cata. No.	Single Line Pull On 2nd Wrap	Feet Per Minute On 2nd Wrap	H. P.	No. Cyls.	Dia. In.	Length In.	Flange Dia. In.	Gears Cut Teeth	Side Frame	Weight Approx.	Code Word
2C	Less Power				12	22	25½	Steel	Semi-Steel	5125	HASBO
2C1	6000	210	55	4	12	22	25½	Steel	Semi-Steel	6800	HASUC
2C2	7000	170	55	4	12	22	25½	Steel	Semi-Steel	6800	HASYE
2C3	7000	200	65	6	12	22	25½	Steel	Semi-Steel	7000	HATOC
2D	Less Power				14	26	31	Steel	Steel	5450	HAWAB
2D1	8300	225	75	6	14	26	31	Steel	Steel	7625	HAWCE
2D2	10500	200	85	6	14	26	31	Steel	Steel	7800	HAWFO
2D3	11800	200	95	6	14	26	31	Steel	Steel	7800	HAWID

Note: Automatic safety brake extra—gas engines come with clutch and, on 55 H.P. or larger, electric starter and generator (no battery is furnished). It is a simple matter to interchange the gasoline engine for an electric motor as the silent chain drive is designed for a working speed of about 1200 R.P.M. and only the bore of the pinion need be changed.



HEAVY DUTY DOUBLE DRUM ELECTRIC HOIST

THE double drum Jaeger is adapted for all general derrick, pile driving, steel erection and general construction work. Special attachments like boom swingers (see Page 19) and independent jaw clutch winch heads can be furnished for use in bridge work. Special speeds can be had by lagging or we have extra diameter drums.

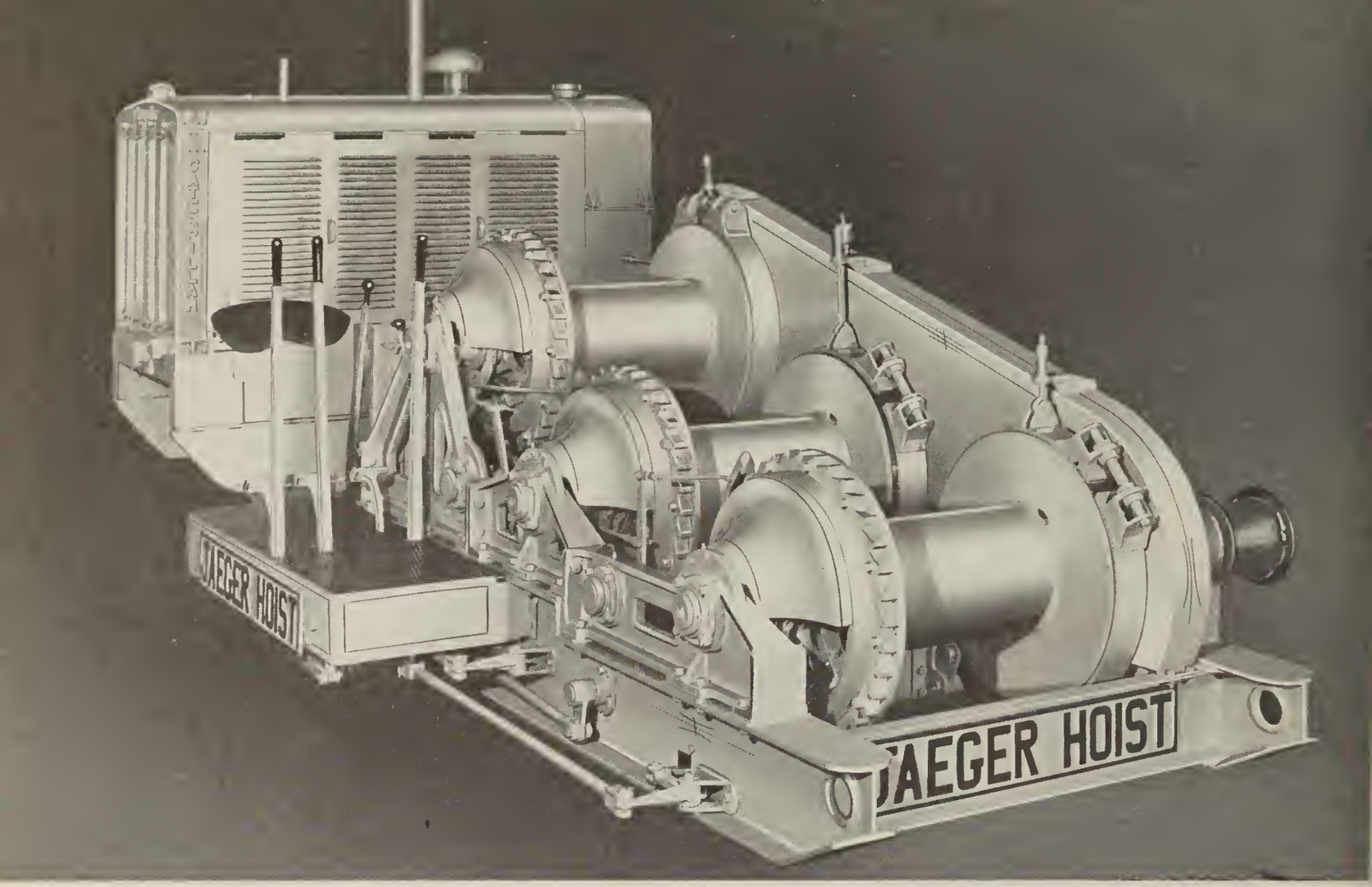
Banked levers as shown are standard. Upon request, levers for individual drum operation can be built.

SPECIFICATIONS

DOUBLE DRUM "BALL BEARING HOIST"—ELECTRIC MOTOR DRIVE

Cata. No.	HOISTING CAPACITY		Motor	DRUMS			MATERIAL		Weight Approx.	Code Word
	Single Line Pull On 2nd Wrap	Feet Per Min. On 2nd Wrap	H. P.	Dia. In.	Length In.	Flange Dia. In.	Gears Cut Teeth	Side Frame		
2C	Less Power			12	22	25½	Steel	Semi-Steel	5125	HASBO
2CE1	6000	245	50	12	22	25½	Steel	Semi-Steel	6775	HIANC
2CE2	7000	245	60	12	22	25½	Steel	Semi-Steel	6825	HIARG
2D	Less Power			14	26	31	Steel	Steel	5450	HAWAB
2DE1	8500	255	75	14	26	31	Steel	Steel	7420	HUBAZ
2DE2	11400	255	100	14	26	31	Steel	Steel	8020	HUBBE

Prices of electric motors are based on AC squirrel cage, 3 phase, 60 cycle, open type construction, rated on 40 deg. C continuous temperature rise, and are normally equipped with oil-ring sleeve bearings. We will be glad to quote on motors of other characteristics as well as slip-ring or variable speed motors. In writing, give us phase, voltage, cycle, and type of motor and current. Automatic Safety Brake—can be furnished as an extra on Heavy Duty Hoists.



HEAVY DUTY THREE DRUM HOISTS

We furnish this type hoist for clamshell and orange peel buckets. With Jaeger Ball Bearing construction, the rear drum used for handling of boom causes no excess wear as shaft constantly rotates through the Ball Bearings in drum. Two forward drums are used mainly for closing, raising and opening the bucket. The third drum often saves the purchase of an extra hoist. Boom swinger can be added (see Page 19) for derrick work. Levers can be banked as shown standard or, if wanted, levers on individual drum positions.

THREE DRUM "BALL BEARING" HOIST—GASOLINE ENGINE

Cata. No.	HOISTING CAPACITY		ENGINE		DRUMS			MATERIAL		Weight Approx.	Code Word
	Single Line Pull On 2nd Wrap	Feet Per Min. On 2nd Wrap	H. P.	No. Cyls.	Dia. In.	Length In.	Flange Dia. In.	Gears Cut Teeth	Side Frame		
3C	Less Power				12	22	25½	Steel	Semi-Steel	6625	HAYAC
3C1	6000	210	55	4	12	22	25½	Steel	Semi-Steel	8300	HAYDE
3C2	7000	170	55	4	12	22	25½	Steel	Semi-Steel	8300	HAYGO
3C3	7000	200	65	4	12	22	25½	Steel	Semi-Steel	8300	HAYIF
3D	Less Power				14	26	31	Steel	Steel	9750	HEAKS
3D1	8300	225	75	6	14	26	31	Steel	Steel	11925	HEALT
3D2	10000	225	85	6	14	26	31	Steel	Steel	12100	HEAPY
3D3	11800	200	95	6	14	26	31	Steel	Steel	12100	HEARB

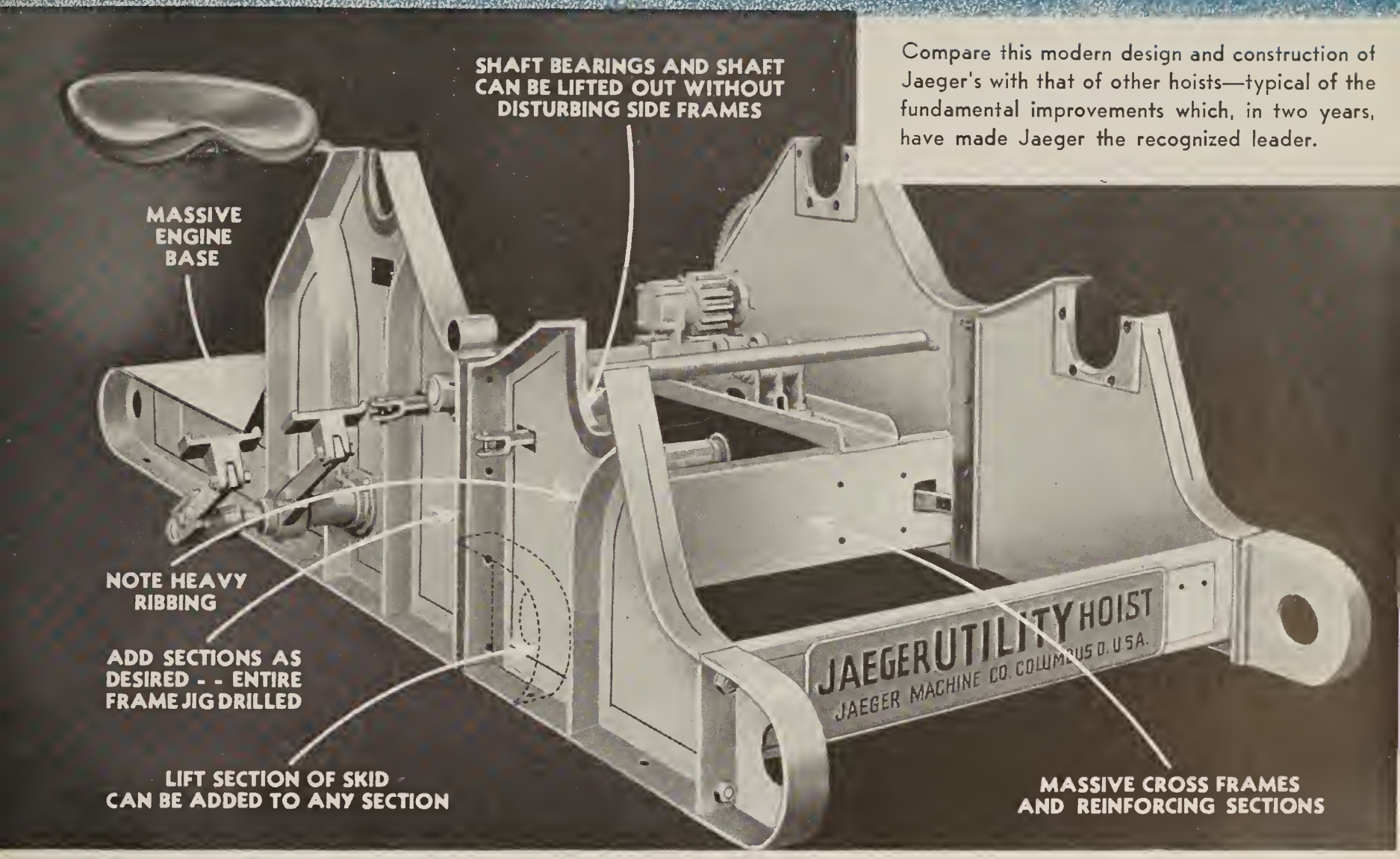
THREE DRUM "BALL BEARING" HOIST—ELECTRIC MOTOR DRIVE

Cata. No.	HOISTING CAPACITY		MOTOR	DRUMS			MATERIAL		Weight Approx.	Code Word
	Single Line Pull On 2nd Wrap	Feet Per Min. On 2nd Wrap	H. P.	Dia. In.	Length In.	Flange Dia. In.	Gears Cut Teeth	Side Frame		
3C	Less Power			12	22	25½	Steel	Semi-Steel	6625	HAYAC
3CE1	6000	245	50	12	22	25½	Steel	Semi-Steel	8275	HOFAY
3CE2	7000	245	60	12	22	25½	Steel	Semi-Steel	8325	HOFEZ
3D	Less Power			14	26	31	Steel	Steel	9750	HEAKS
3DE1	8500	255	75	14	26	31	Steel	Steel	11720	HYGOZ
3DE2	11400	255	100	14	26	31	Steel	Steel	12320	HYGUB

Note: Automatic safety brake extra—gas engines come with clutch and, on 55 H.P. or larger, electric starter and generator (no battery is furnished). It is a simple matter to interchange the gasoline engine for an electric motor as the silent chain drive is designed for a working speed of about 1200 R.P.M. and only the bore of the pinion need be changed. Electric Hoist prices are based on A. C., squirrel cage, 3-phase, 60 cycle electric motors. Special motors can be furnished.

"Utility" Hoists..36 to 50 H. P.

Combined All-Steel Side Frames and Base ...50% Stronger, Hundreds of Pounds Lighter



Compare this modern design and construction of Jaeger's with that of other hoists—typical of the fundamental improvements which, in two years, have made Jaeger the recognized leader.

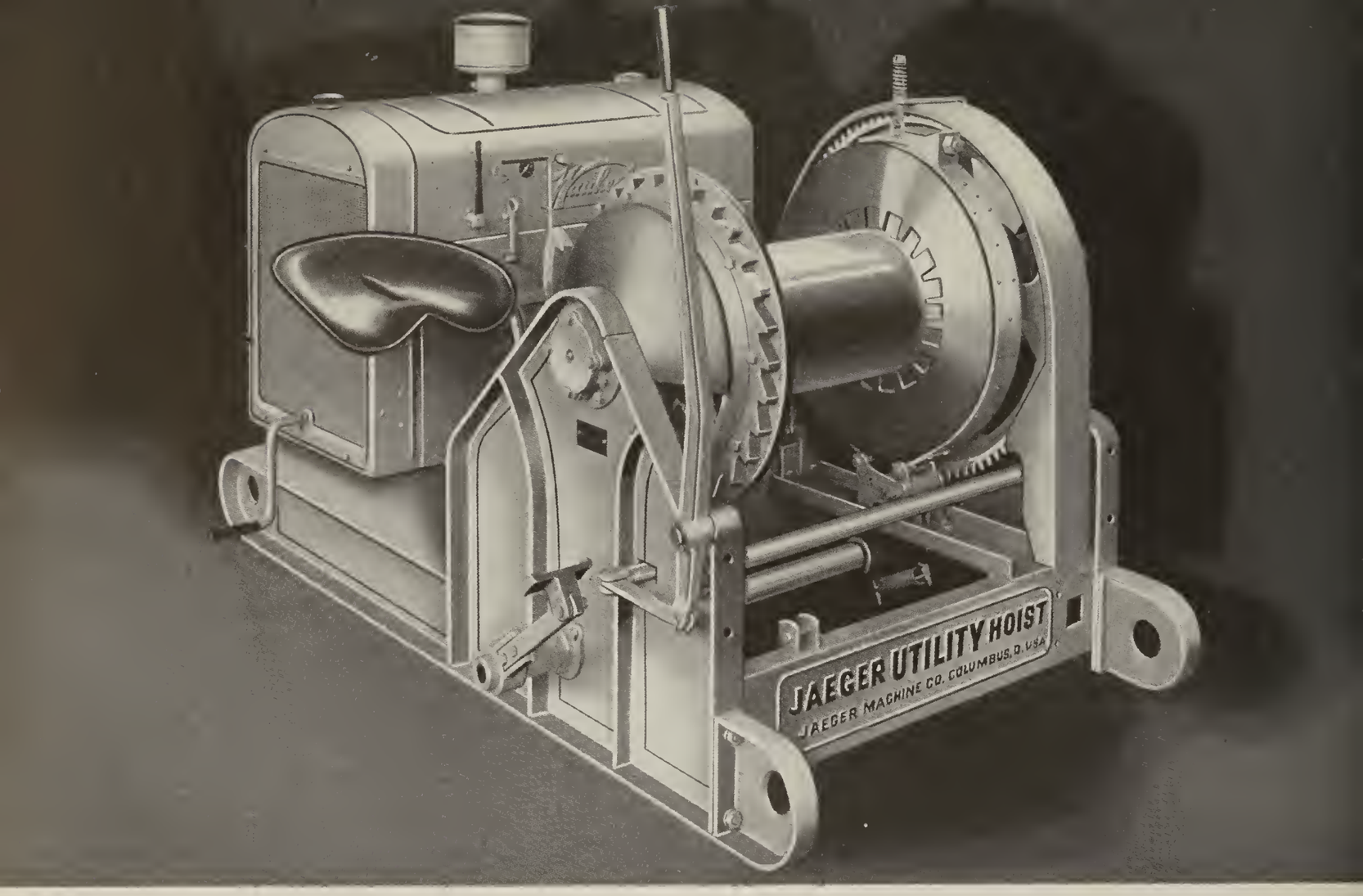
Side frames and base are one compact, integral, all-steel unit in Jaeger Utility Hoists—massive boiler plate and cross members welded together for tremendous strength—no chance to loosen, no misalignment, nothing to break.

Again, Jaeger follows the rule of standardized construction with "strength to spare," builds "Utility" side frames and base in oversized sections to accommodate easily up to 50 H.P. loads . . . a giant, rigid construction that will not yield under the strain of capacity loads, yet at no penalty in extra cost for the purchaser who needs only a 36 H.P. hoist.

DRUMS QUICKLY ADDED

Jaeger Single Drum Utility Hoists are basic units. No need to buy more drums than you need for future protection. As work proceeds, second and third drum sections can always be quickly added in the field by making simple, thoroughly secure bolt connections. All frames are accurately machined at ends . . . bearings align properly . . . bolts always fit jig-bored holes in castings accurately—there's never a loss of valuable time in increasing or decreasing the number of drums used. Note that drums and shaft bearings may be removed without disturbing side frames—another real Jaeger advantage.

Giant Expanding Frictions, perfectly balanced drums, anti-friction bearings, automatic safety brakes, one-piece winch head, handy controls, massive machine cut gears, multi-cylinder power—these features of Jaeger Heavy Duty Hoists are also features of Jaeger Utility Hoists.



"UTILITY" SINGLE DRUM GASOLINE HOIST

This modern hoist, with its expanding frictions operated by touch control, its rugged construction and smooth-running power, is ideally suited for work with mast plants and single cage towers, for high speed brick hoist, for pile-driving, handling mine and quarry cars, timber and cargo.

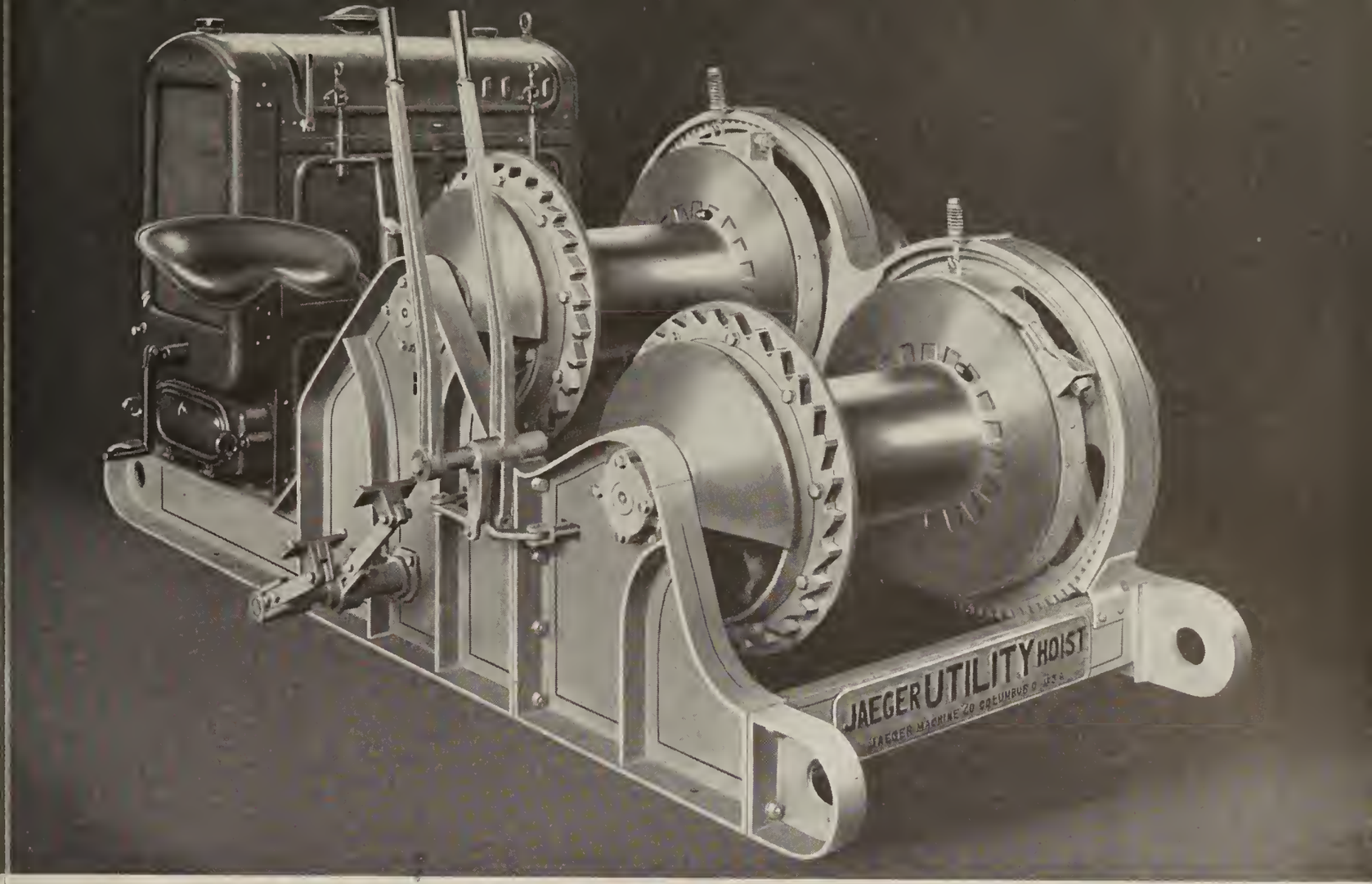
Additional drums may be added merely by bolting sections to jig-drilled frame. Unit is designed with ample strength for 50 H. P.—yet, because of savings from standardization, you pay no more for 36 H. P. Jaeger than for other hoists that do not have this reserve strength.

We furnish 10", 12" or 14" drums with flanges designed for lagging to increase drum speeds up to 50%. Only reliable, conservatively rated engines are used—4 and 6-cylinder Hercules and Waukesha. Self-starters can be supplied as extras. Chain drive permits easy interchange of gas or electric drive. For electric hoist specifications, see page 18.

SPECIFICATIONS

SINGLE DRUM "UTILITY"—GASOLINE ENGINE

Cata. No.	HOISTING CAPACITY		ENGINE		DRUMS			MATERIAL		Weight Approx.	Code Word
	Single Line Pull On 2nd Wrap	Feet Per Min. On 2nd Wrap	H. P.	No. Cyls.	Dia. In.	Length In.	Flange Dia. In.	Gears Cut Teeth	Welded Side Frame		
1B	Less Power				12	22	27	Semi-Steel	Steel	2450	URAFT
1B1	3500	215	36	4	12	22	27	Semi-Steel	Steel	3050	URALB
1B2	3000	275	36	4	12	22	27	Semi-Steel	Steel	3050	URAND
1B3	1500	500	36	4	12	22	27	Semi-Steel	Steel	3050	URBER
1B4	5000	250	50	6	12	22	27	Semi-Steel	Steel	3225	URBKO
1B5	4200	300	50	6	12	22	27	Semi-Steel	Steel	3225	URBOT



"UTILITY" TWO AND THREE DRUM--GASOLINE

This double drum Utility Hoist is identical with the single drum hoist shown on opposite page except that second section and drum have been bolted on and additional clutch lever and foot pedal installed. Banked levers, as shown, are standard, although individual levers for control at each drum can be furnished if so ordered without additional cost. General derrick operation can be handled most efficiently with this unit, as well as steel erection, pile-driving, general construction and other two-drum work.

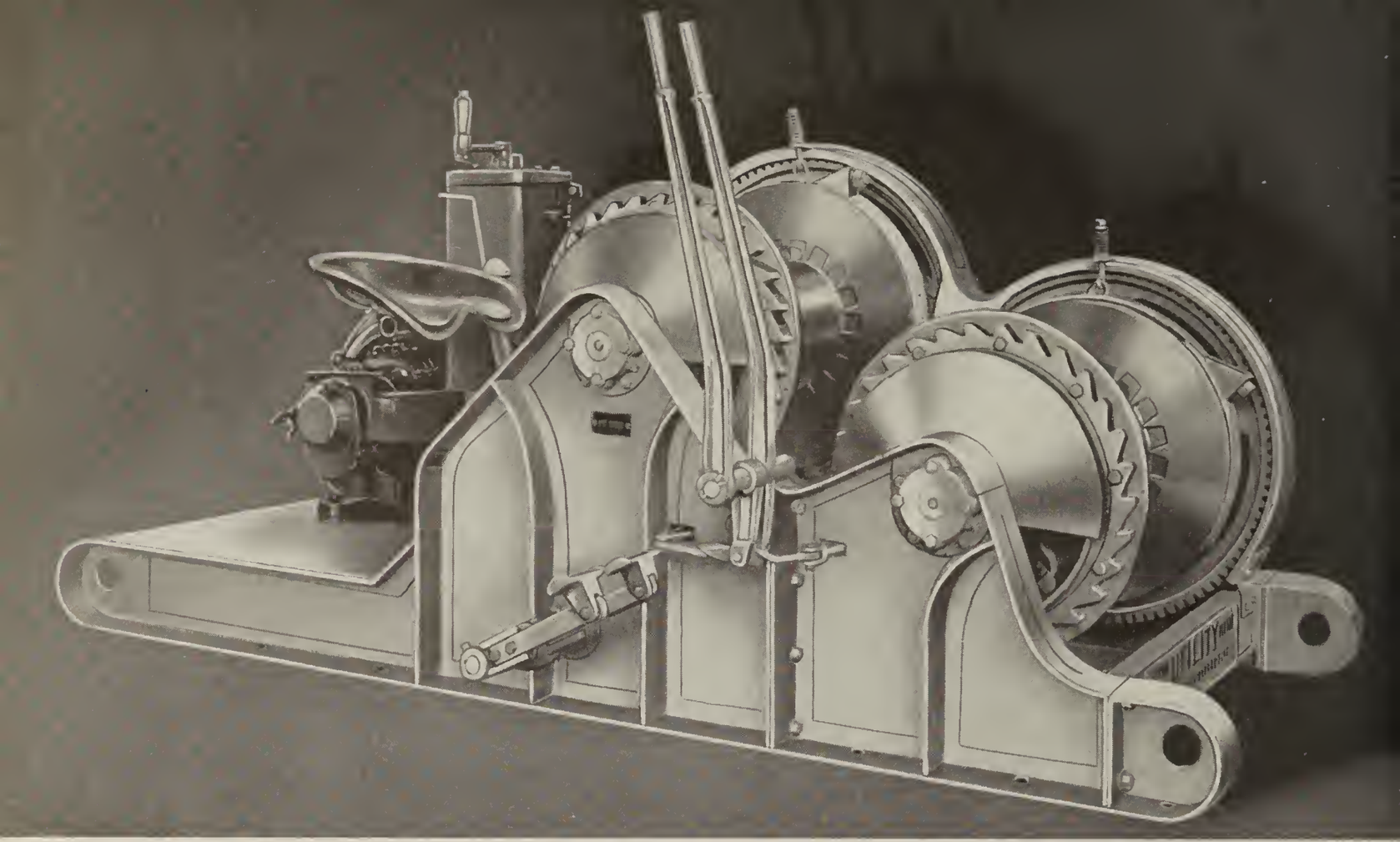
MERELY ADD THIRD SECTION TO INCREASE TO THREE-DRUM HOIST for handling clamshell. With Jaeger construction, rear drum used for handling of boom causes no excess wear as shaft constantly rotates on Timken Bearings in drum. Use of third drum often saves purchase of extra hoist. Jaeger Boom Swinger can be added for derrick work.

DOUBLE DRUM "UTILITY"—GASOLINE ENGINE

	HOISTING CAPACITY		ENGINE		DRUMS			MATERIAL			
Cata. No.	Single Line Pull On 2nd Wrap	Feet Per Min. On 2nd Wrap	H. P.	No. Cyls.	Dia. In.	Lgth. In.	Flange Dia. In.	Gears Cut Teeth	Welded Side Frame	Weight Approx.	Code Word
2B	LESS	POWER			12	22	27	Semi-Steel	Steel	3250	URCAR
2B1	3500	215	36	4	12	22	27	Semi-Steel	Steel	3850	URCES
2B2	3000	275	36	4	12	22	27	Semi-Steel	Steel	3850	URCIT
2B3	1500	500	36	4	12	22	27	Semi-Steel	Steel	3850	URCLO
2B4	5000	250	50	6	12	22	27	Semi-Steel	Steel	4025	URCOV
2B5	4200	300	50	6	12	22	27	Semi-Steel	Steel	4025	URCYX

THREE DRUM "UTILITY"—GASOLINE ENGINE

3B	LESS	POWER			12	22	27	Semi-Steel	Steel	4250	URDAS
3B1	3500	215	36	4	12	22	27	Semi-Steel	Steel	4850	URDET
3B2	3000	275	36	4	12	22	27	Semi-Steel	Steel	4850	URDIV
3B3	1500	500	36	4	12	22	27	Semi-Steel	Steel	4850	URDNE
3B4	5000	250	50	6	12	22	27	Semi-Steel	Steel	5025	URDPA
3B5	4200	300	50	6	12	22	27	Semi-Steel	Steel	5025	URECS



"UTILITY" ELECTRIC HOISTS (One to Three Drum)

With Jaeger's positive, non-slipping silent chain drive, Utility hoists operate perfectly with electric power. Change-over of power may be easily made in the field.

Third drum, boom swinger or independent jaw clutch winch heads for use in bridge work can be added where work requires. Special speeds can be obtained by lagging, which drum flanges are designed to facilitate, or by use of large diameter drums.

Prices of electric motors are based on A.C., squirrel cage, 3 phase, 60 cycle, open type construction, rated on 40 deg C. continuous temperature rise, and are normally equipped with oil-ring sleeve bearings. We will be glad to quote on motors of other characteristics as well as slip-ring or variable speed motors. In writing, give us phase, voltage, cycle, and type of motor and current.

SINGLE DRUM "UTILITY" ELECTRIC MOTOR DRIVE

HOISTING CAPACITY			MOTOR		DRUMS			MATERIAL			
Cata. No.	Single Line Pull On 2nd Wrap	Feet Per Min. On 2nd Wrap	H. P.		Dia. In.	Length In.	Flange Dia. In.	Gears Cut Teeth	Welded Side Frame	Weight Approx.	Code Word
1B		LESS	POWER		12	22	27	Semi-Steel	Steel	2450	URAFT
1BE1	3700	230	30	..	12	22	27	Semi-Steel	Steel	3350	URFNO
1BE2	1750	500	30	..	12	22	27	Semi-Steel	Steel	3330	URFOY
1BE3	4200	275	40	..	12	22	27	Semi-Steel	Steel	3430	URFUZ
1BE4	5000	280	50	..	12	22	27	Semi-Steel	Steel	3570	URGAV

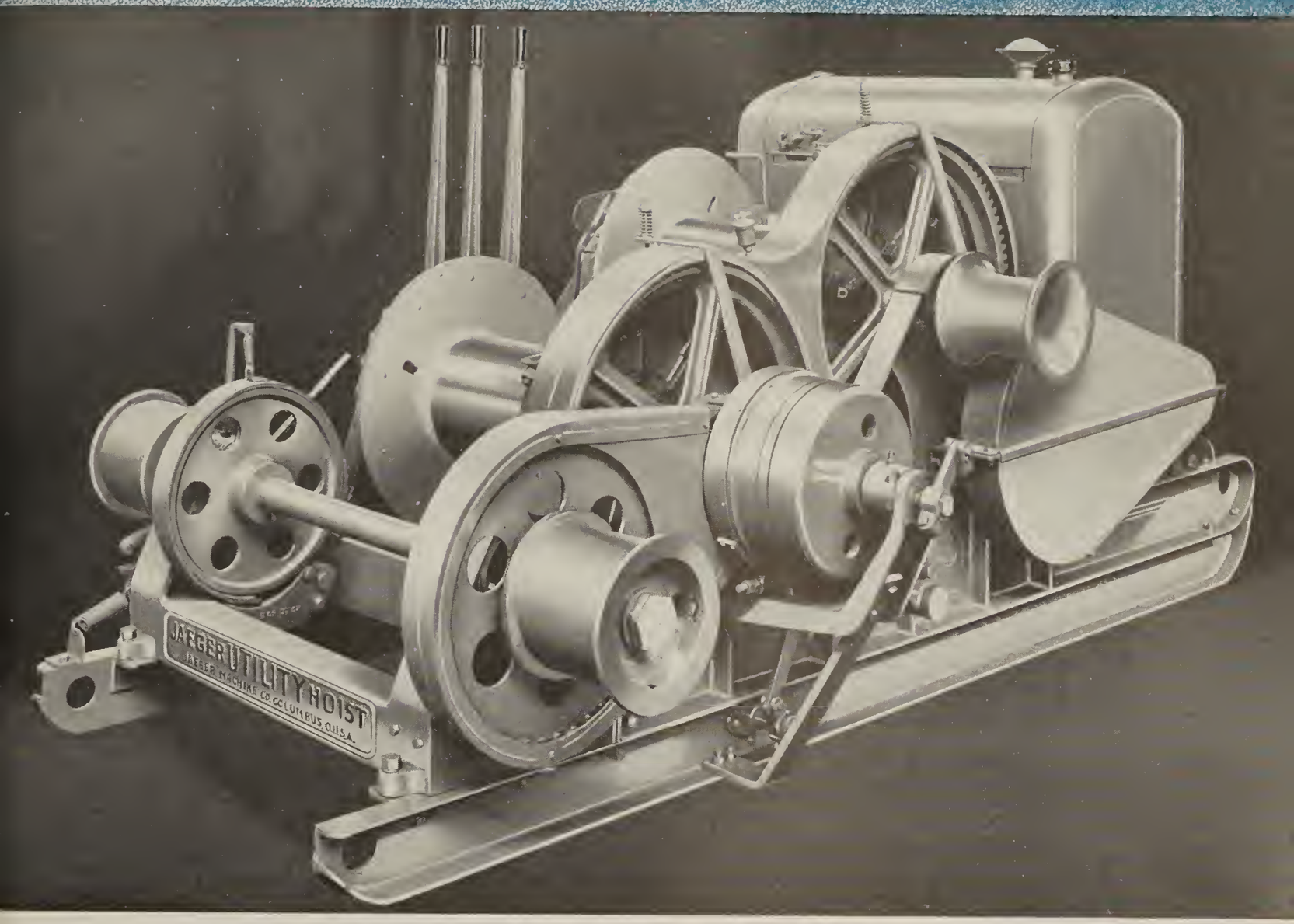
DOUBLE DRUM "UTILITY" ELECTRIC MOTOR DRIVE

2B		LESS	POWER		12	22	27	Semi-Steel	Steel	3250	URCAR
2BE1	3700	230	30	..	12	22	27	Semi-Steel	Steel	4150	URICT
2BE2	1750	500	30	..	12	22	27	Semi-Steel	Steel	4130	URIGY
2BE3	4200	275	40	..	12	22	27	Semi-Steel	Steel	4230	URILD
2BE4	5000	280	50	..	12	22	27	Semi-Steel	Steel	4370	URIPH

THREE DRUM "UTILITY" ELECTRIC MOTOR DRIVE

3B		LESS	POWER		12	22	27	Semi-Steel	Steel	4250	URDAS
3BE1	3700	230	30	..	12	22	27	Semi-Steel	Steel	5150	URJEZ
3BE2	1750	500	30	..	12	22	27	Semi-Steel	Steel	5130	URJIB
3BE3	4200	275	40	..	12	22	27	Semi-Steel	Steel	5230	URJOC
3BE4	5000	280	50	..	12	22	27	Semi-Steel	Steel	5370	URJRO

Jaeger Boom Swinger
Built for Two and Three Drum Hoists



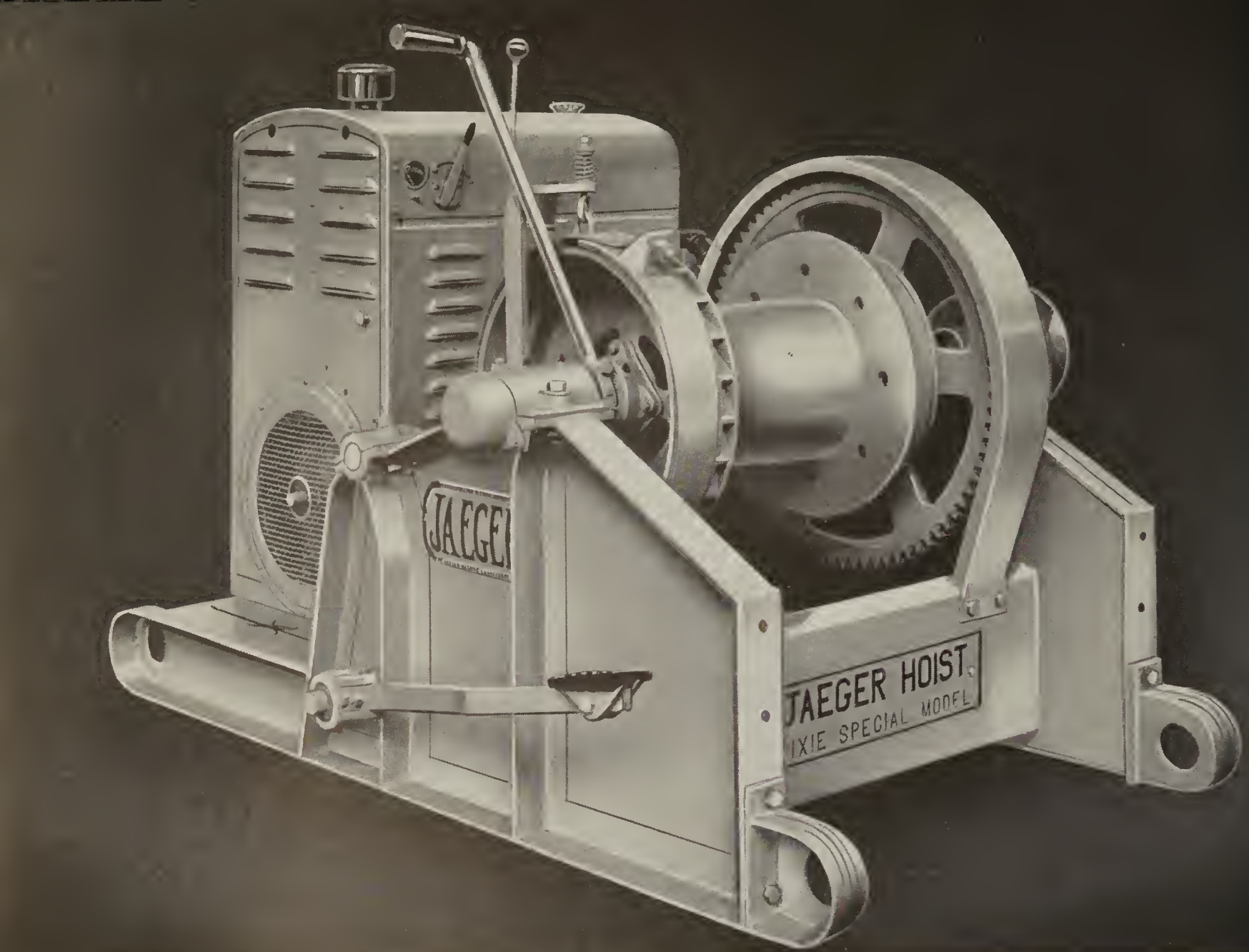
The Jaeger Boom Swinger is built for Jaeger two and three drum hoists of 30 H.P. and over. The swinger shaft assembly is bolted to the second or third drum side frame with a sub frame under the entire hoists and swinger . . . a solid, rigid, non-vibrating assembly.

The driving mechanism together with the reversing clutches is mounted on the outer end of the second or third drum shaft in place of the winch head. One clutch lever controls both directions of swinger and the brake is controlled by a foot lever.

SPECIFICATIONS

SIZE	Size Drums		Line Pull	Rope Speed In Feet Per Min.	Max. Diam. Bull Wheel	Weight Approx.
	Length	Dia.				
For Hoists up to 50 H.P.	9"	10"	3000	45 to 55	8 to 12 ft.	1100

Note: For boom swinger for hoists of greater capacity, write for details and prices.



MODEL A "DIXIE SPECIAL" SINGLE DRUM HOIST

A Hoist that Will Soon Pay for Itself on the Job

POWERFUL FOOT BRAKES

Brakes on the Model DS are easy to operate and of sufficient size to handle any load for which this hoist is built. Leverage of brake arrangement gives tremendous braking power. Note the spring equalizer and take-up. Linings are of non-burnable multi-bestos.

EASY TO OPERATE

Thanks to its skilled designing, its accuracy in manufacture, and its double cone frictions, this simple but husky hoist is extremely easy to operate. Individual controls of each drum are standard construction. However, banked levers with seat can be provided at slight extra cost.

HIGH QUALITY BEARINGS

Drums are fitted with special bronze bushings. Shaft bearings are of high grade, nickel babbit. Bearings are extra wide for long life and freedom from vibration. Lubrication is through Alemite fittings, easily accessible.

BALANCED DRUMS

Drums are generously sized and ground for smoothness and balance. Shafting is of 40-50 carbon steel.

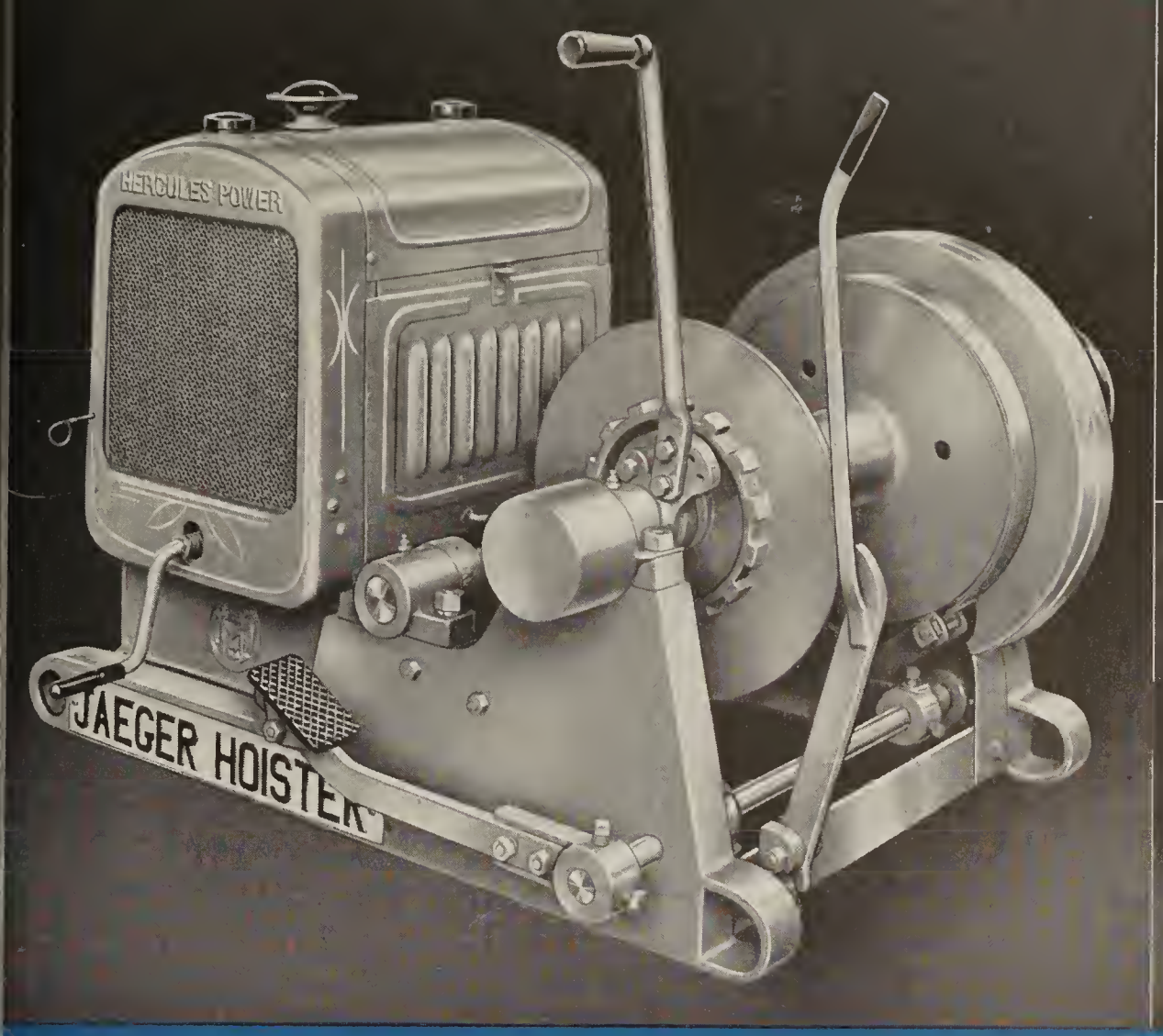
SINGLE DRUM MODEL A "DIXIE SPECIAL"—GASOLINE ENGINE

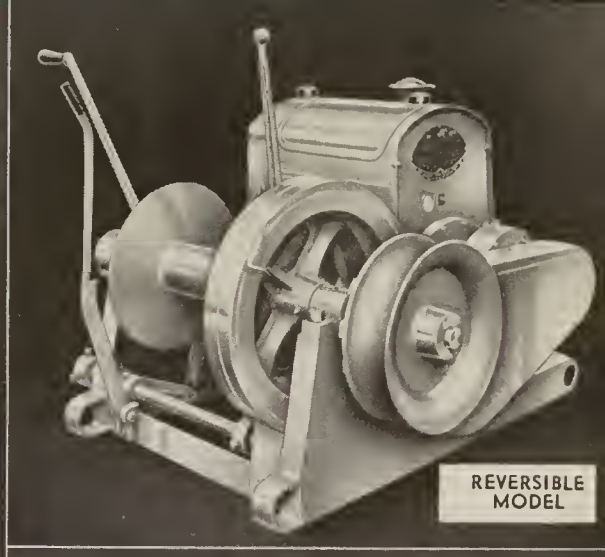
Cata. No.	HOISTING CAPACITY		ENGINE		DRUMS			MATERIAL		Weight Approx.	Code Word
	Single Line Pull On 2nd Wrap	Feet Per Min On 2nd Wrap	H. P.	No. Cyls.	Dia. In.	Length In.	Flange Dia. In.	Gears Cut Teeth	Welded Side Frame		
1A	Less Power				10	16	19½	Semi-Steel	Steel	1150	DABAS
1A1	3200	140	17	4	10	16	19½	Semi-Steel	Steel	1595	DABUX
1A2	2500	200	17	4	10	16	19½	Semi-Steel	Steel	1595	DABZY
1A3	3500	250	32	4	10	16	19½	Semi-Steel	Steel	1680	DABWO
1A4	3000	300	36	4	10	16	19½	Semi-Steel	Steel	1900	DABET

SINGLE DRUM MODEL A "DIXIE SPECIAL"—ELECTRIC MOTOR DRIVE

1A	Less Power				10	16	19½	Semi-Steel	Steel	1150	DABAS
1AE1	2300	125	10	—	10	16	19½	Semi-Steel	Steel	1625	DEABY
1AE2	3400	125	15	—	10	16	19½	Semi-Steel	Steel	1675	DEAGD
1AE3	3500	190	25	—	10	16	19½	Semi-Steel	Steel	1850	DEAMK
1AE4	3500	300	40	—	10	16	19½	Semi-Steel	Steel	2125	DEARP

Prices are based on A. C., squirrel cage, 3-phase, 60 cycle electric motors. Special motors can be furnished.




REVERSIBLE MODEL

Jaeger Hoister . . . 6 to 17 H. P.

Single Drum . . . Reversing and Non-Reversing Types

Here's the answer to the demand for a hoist that is easily put on the truck and taken to the job—ideal for the small contractor, roofer, and others for elevating materials for group building, stores, apartments, schools, bridges, grade separation jobs—for operation with Jaeger Self-Raising Tower (see next page), or on Jaeger Concrete Mixers.

It's a quality hoist throughout with single cone-type clutch or friction, welded side frames and base, balanced drum, silent chain drive, and sturdy engines.

Shaft bearings are of high grade babbitt. Drum bearings are bronze bushed. Safety ratchet is cast integral with the drum. Pawls are of cast steel. Brakes are of ample size, lined with woven brake lining. Nigger head is standard.

The Jaeger reversing type with sheave is ideal for double cage material elevators, but may be used also for general work. Husky expanding reverse clutches used.

Be sure to see the "Hoister" if you're on the market for a reliable small hoist of this capacity. It's a "honey."

Turn page for full details of "Hoister" with Self-Raising Tower— an easily portable, money-saving tower of full one-ton capacity.

SINGLE DRUM "HOISTER"—GASOLINE ENGINE (NON-REVERSING)

Cata. No.	HOISTING CAPACITY		ENGINE		DRUMS			MATERIAL		Weight Approx.	Code Word
	Single Line Pull on 2nd Wrap	Feet Per Min. on 2nd Wrap	H. P.	No. Cyls.	Dia. In.	Length In.	Flange Dia. In.	Gears	Welded Side Frame		
1H1	1200	136	6	1	7½	15¾	17	Semi-Steel	Steel	945	SABTO
1H2	1600	150	9	2	7½	15¾	17	Semi-Steel	Steel	1030	SACAR
1H3	2000	150	17	4	7½	15¾	17	Semi-Steel	Steel	1150	SACOV

SINGLE DRUM "REVERSIBLE SHEAVE HOISTER"—GASOLINE ENGINE

Cata. No.	H. P.	Line Speeds & Pulls				Drum			Material		Weight	Code Word
		Maximum Single Line Pull On 2nd Wrap		Line Speed Ft. Per Min. Based on 2nd Wrap		Dia. In.	Length In.	Flange Dia. In.	Gears	Welded Side Frame		
		Drum	Sheave	Drum	Sheave							
1HR1	9	1600	1050	150	225	7½	15¾	17	Semi-Steel	Steel	1330	SADIV
1HR2	17	2000	1325	150	225	7½	15¾	17	Semi-Steel	Steel	1450	SADUX

TURN PAGE FOR FULL DETAILS OF "HOISTER" WITH SELF-RAISING TOWER

The Jaeger "Hoister" with Full One-Ton Capacity . . . Assembled on Ground

Contractor Saves Up To $44.80 a Day

Lawrence Marriana, Philadelphia, Pa. contractor, did work of 10 to 12 hodders (costing $52 to $62.40 a day) with only 2 wheelers and one hoist operator (costing $17.60 a day) —a clear saving of $34.40 to $44.80 exclusive of cost of erecting scaffolding.

Here's the quickest erecting tower ever designed to save you time in preparing for placement of concrete and materials and in the actual placement itself. No costly delays in erecting as with wooden towers—no loss of materials when you move to another job.

Completely assemble tubular steel tower on the ground—two men can do it in a couple of hours—start the "Hoister" engine . . . and the 37 ft. tower, hinged to base, rises in air ready to elevate loads up to 2000 pounds. Gin pole supplied for use in adding additional height up to 67 feet, which must be guyed or made fast to building. Tubular track sections for extending height are furnished in 10 ft. lengths with welded cross members and braces.

Once raised, the unit can be easily moved around the job on its own long sled base — ALWAYS READY TO HOIST!

Showing tower being raised. When vertical, merely bolt tower to top frame.

Standard height of Jaeger Self-Raising Tower is 37 ft., with maximum operating height 31 ft. 6 inches. Gin pole and movable head section are supplied for use in erecting additional heights up to 67 feet, which must be guyed or made fast to building at 37 ft. and 57 ft., plus guy at top.

Self-Raising Tower . . .

. . . Easily Moved Around Job . . . Saves Real Money

Cage is 69"x66", including catwalk for operator to cross platform, giving capacity for the largest concrete cart or two barrows. Travels clear of guides so that materials may extend over the platform sides if necessary, without interference.

Hoist is the Jaeger "Hoister" with 4-cylinder, 17 H. P. engine, as used by Jaeger for many years and completely described on Page 23.

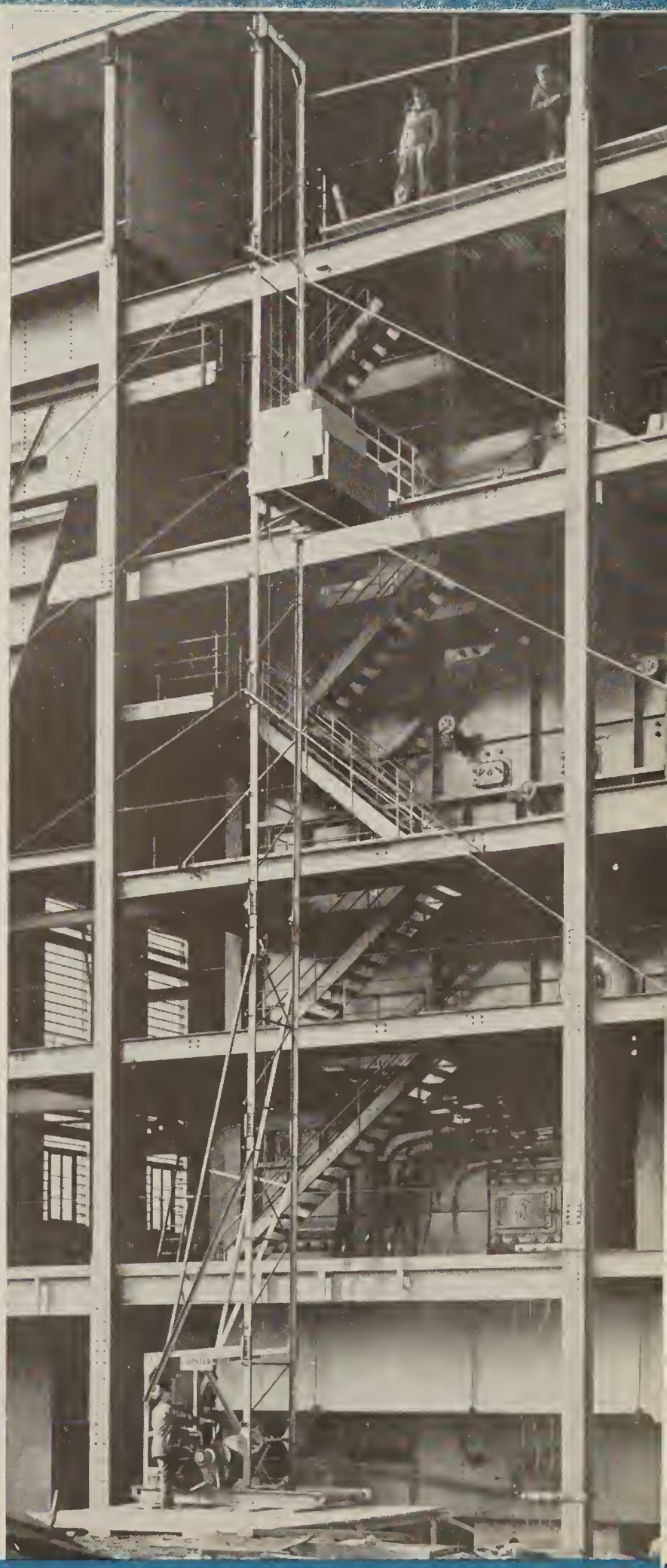
Save time, save labor, increase production with a Jaeger "Hoister" and Self-Raising Tower. It costs little—pays out in no time. Will pay for itself many times over on housing projects.

AUTOMATIC SAFETY - - CAGE CAN'T FALL

• Should lifting cable break, Lifting Link in Cage Top Frame drops 8 inches, releasing tension of Safety Cable on Lever (A) and permitting Springs (B) at both sides of Cage to contract and thus turn Cams (C) at each end of Camshaft (D). Cams force serrated, hardened steel face of Front Brake Shoes (E) against Tubular Section of Tower. Downward thrust of Cage wedges this Tubular Section tightly between Front Brake Shoes (E) and Rear Brake Shoes (F), bringing Cage to almost instant stop. Rear Brake Shoes are fixed; Vertical Slot on Front Shoes permits self-adjustment for most advantageous grip.

WEIGHTS:

	27ft.	37ft.
Base	1240	1240
Hoister with IXB engine	1260	1260
Second Section	280	560
Top Section	440	440
Braces	270	270
Gage	750	750
	4240	4520



JIFFY MAST PLANT

PLANT CAPACITY

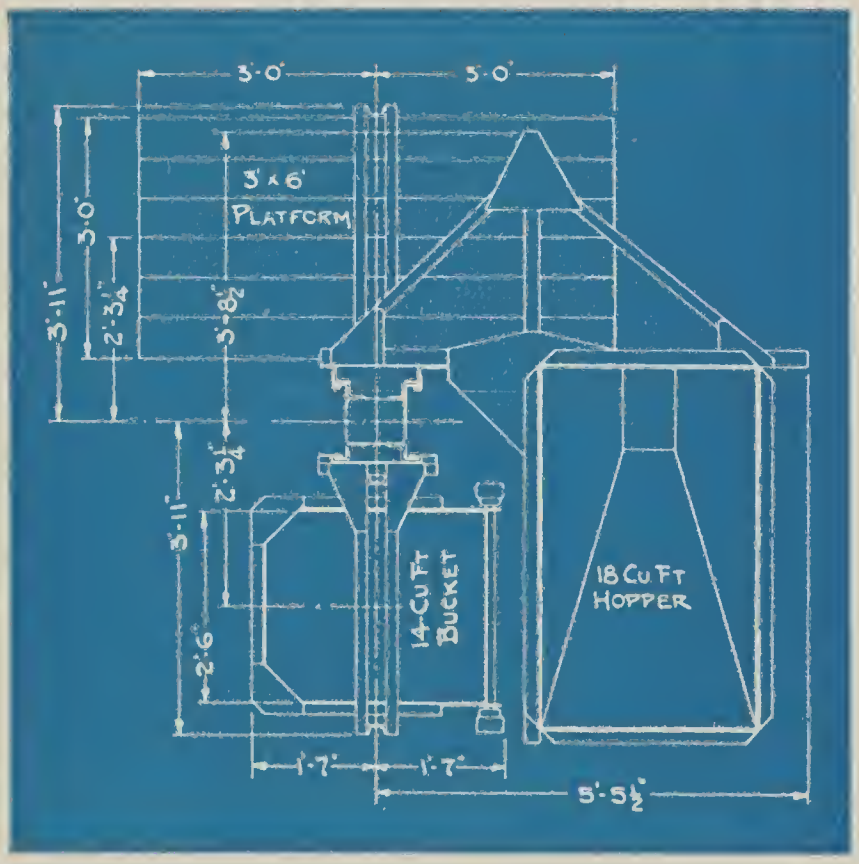
The Jaeger-Lakewood "Jiffy" Mast Plant is built for maximum height of 60 feet, with 14 cubic feet water level elevator bucket and 18 cubic feet capacity tower hopper mounted on a sliding frame. It therefore accommodates all jobs which require up to 10-S mixer capacity.

PLANT COMBINATIONS

The "Jiffy" Mast Plant is an extremely flexible piece of long life equipment for the smaller job. The various possible combinations are shown in the diagrams on the next page. Attention is called to the fact that it can handle concrete only, or provide simultaneous operation of both concrete bucket and material cage, and further it can be equipped with two cages, one on each side of the mast, for material cage operation. Maximum load capacity of cage is 1200 lbs.

ERECTION

The mast is composed of interchangeable 20 ft. sections weighing, with splice plates, 767 lbs. each. Mast can be assembled with base and top section and raised into position by a crane, if available, or by means of a gin pole with lines operated by hoist engine or motor truck.

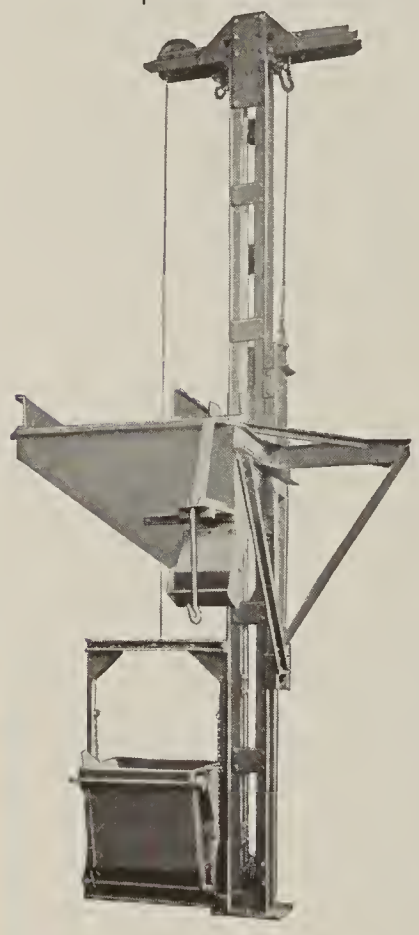


GUY LINES

For 60 ft. height one set of four guy lines at top of mast is required. The top section has provision for the connecting of these four guy lines which should run at approximately 45 degrees with the horizontal. Guy connections for attachment at intermediate points can be furnished.

SHEAVES

When purchased for concrete operation only, the standard mast includes one bottom sheave and two top sheaves. For operation of material platform one additional bottom sheave and two top sheaves are required. Provision for their installation is made on all masts.

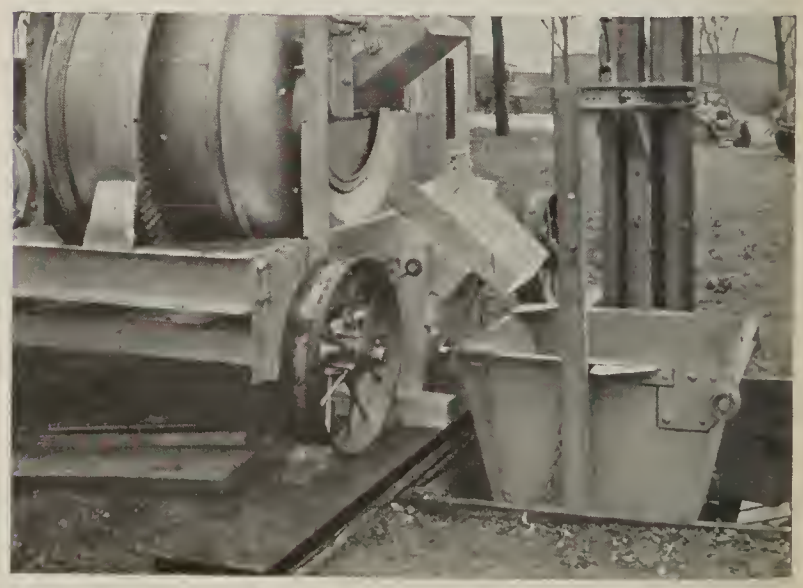


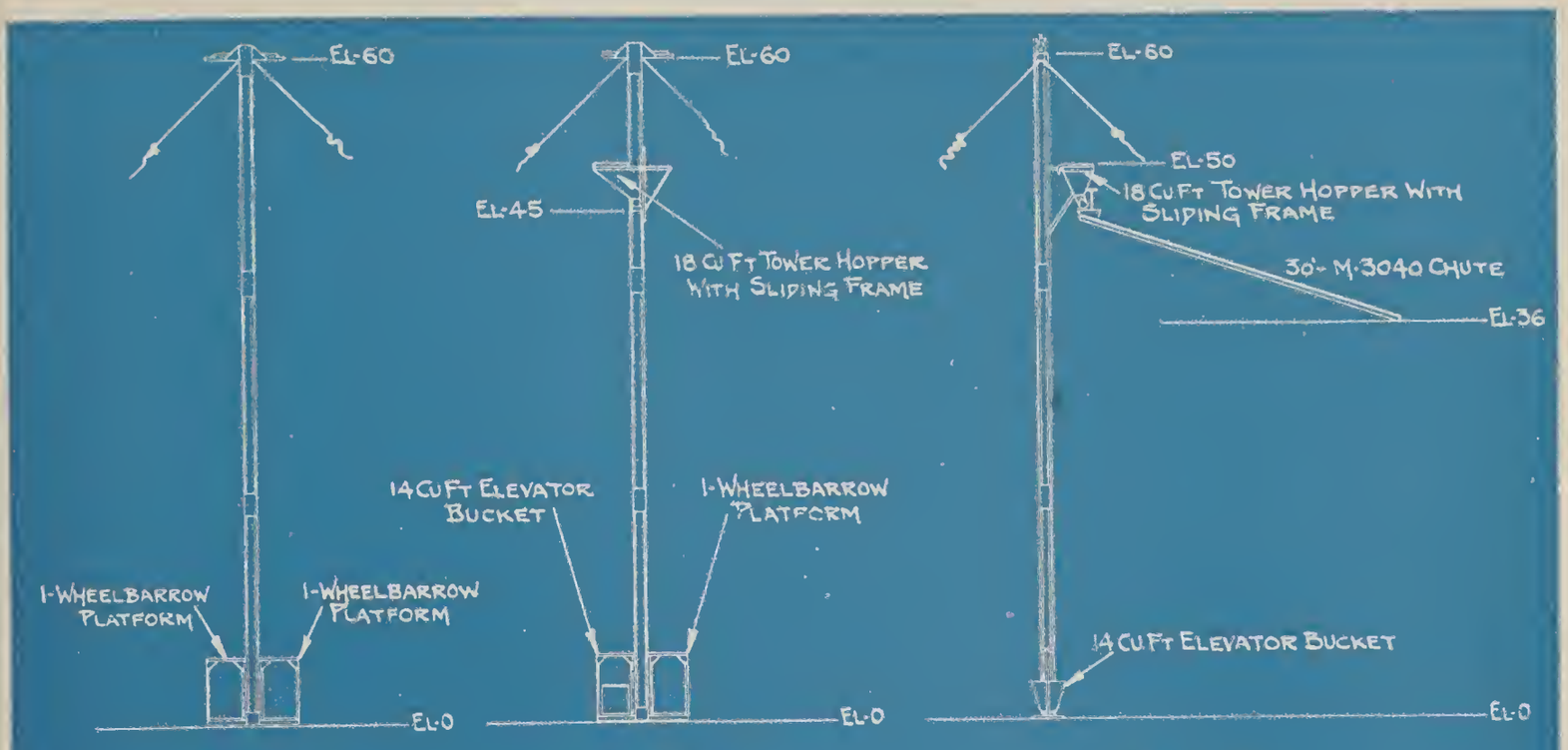
WEIGHTS

PLANT A, 3431 lbs.
PLANT B, 4582 lbs.
PLANT C, 4579 lbs.
PLANT D, 4786 lbs.
PLANT E, 4976 lbs.

Base section, 185 lbs.; 20 ft. intermediate mast section, 767 lbs.; top section 295 lbs.; hopper 372 lbs.; sliding frame 504 lbs.; bucket 550 lbs.; wheelbarrow platform 275 lbs.

Drawing at left gives operating dimensions in plan of the Jiffy Mast for plant layout. The charging height for the bucket is 37½ inches above the base of the mast.





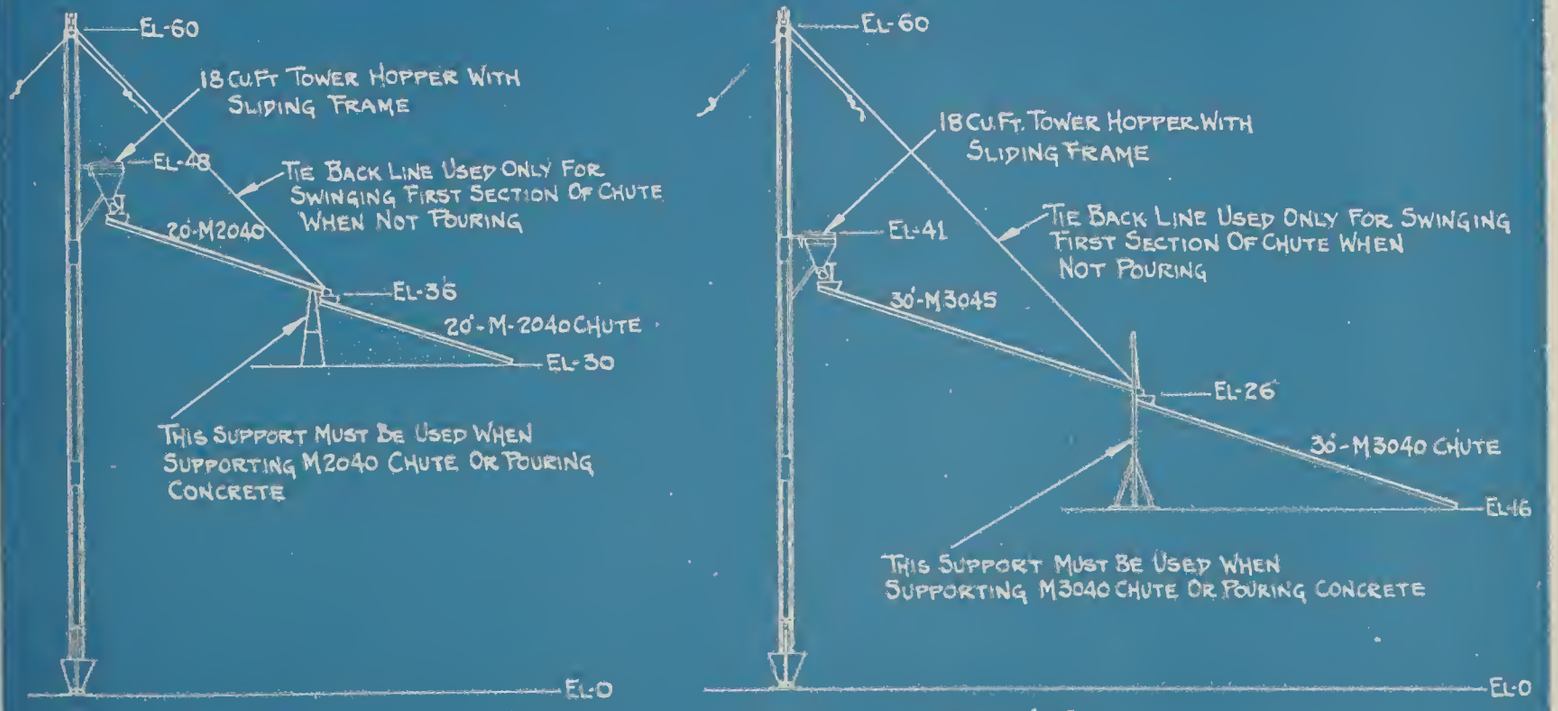
PLANT "A"
FRONT ELEVATION
DOUBLE PLATFORM COMBINATION

PLANT "B"
FRONT ELEVATION
BUCKET + PLATFORM COMBINATION

PLANT "C"
SIDE ELEVATION
BUCKET WITH 30 FT CHUTE

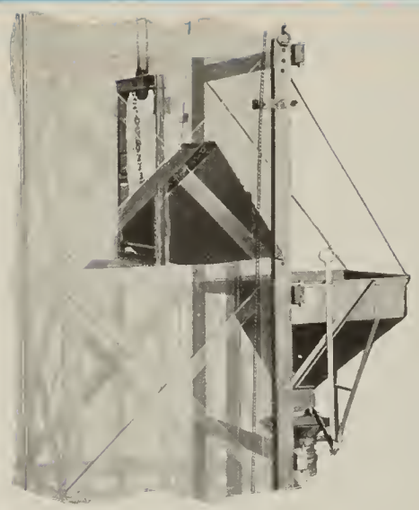
5 TYPICAL PLANT LAYOUTS with JAEGER-LAKEWOOD "JIFFY" MAST

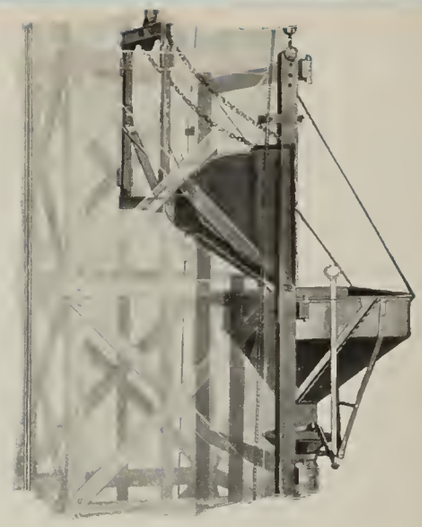
NOTE:-
ONE SET OF GUYS CONSISTING OF 4-LINES REQUIRED FROM TOP OF MAST

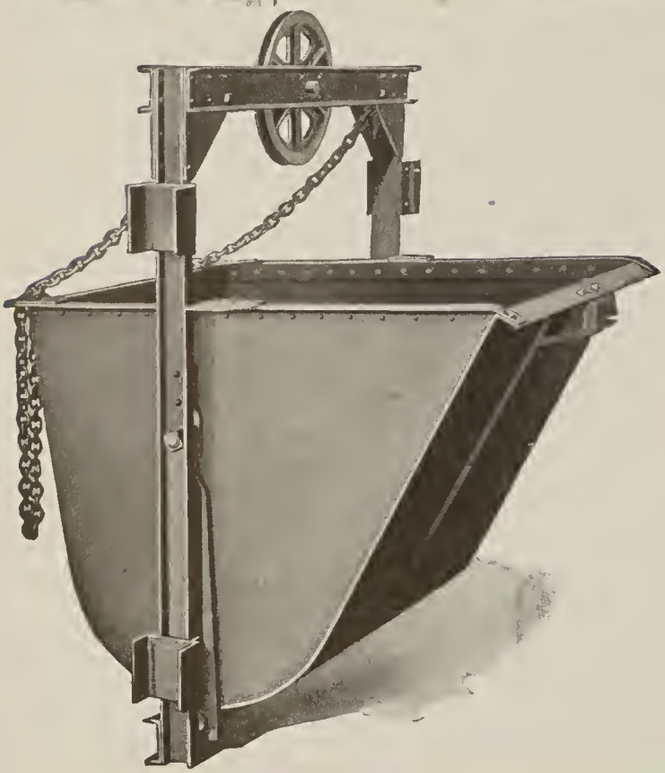


PLANT "D"
SIDE ELEVATION
BUCKET WITH 40 FT RADIUS CHUTE

PLANT "E"
SIDE ELEVATION
BUCKET WITH 60 FT RADIUS CHUTE



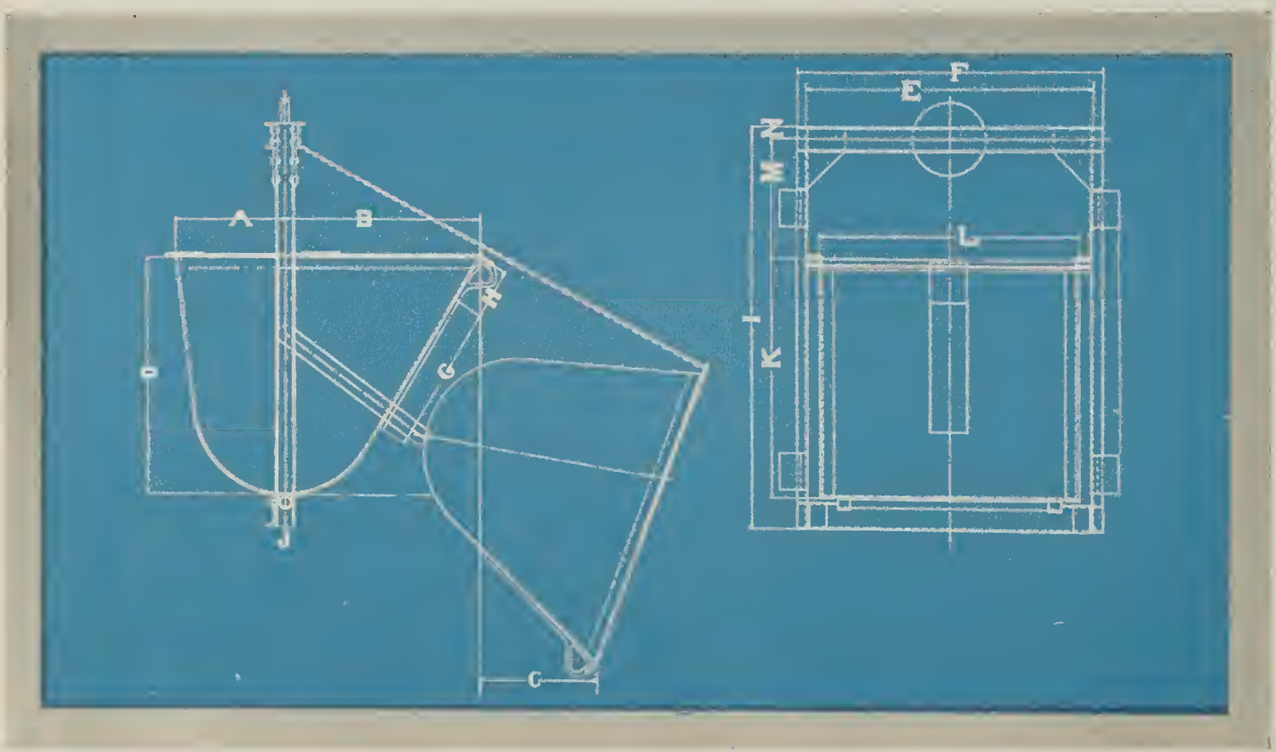




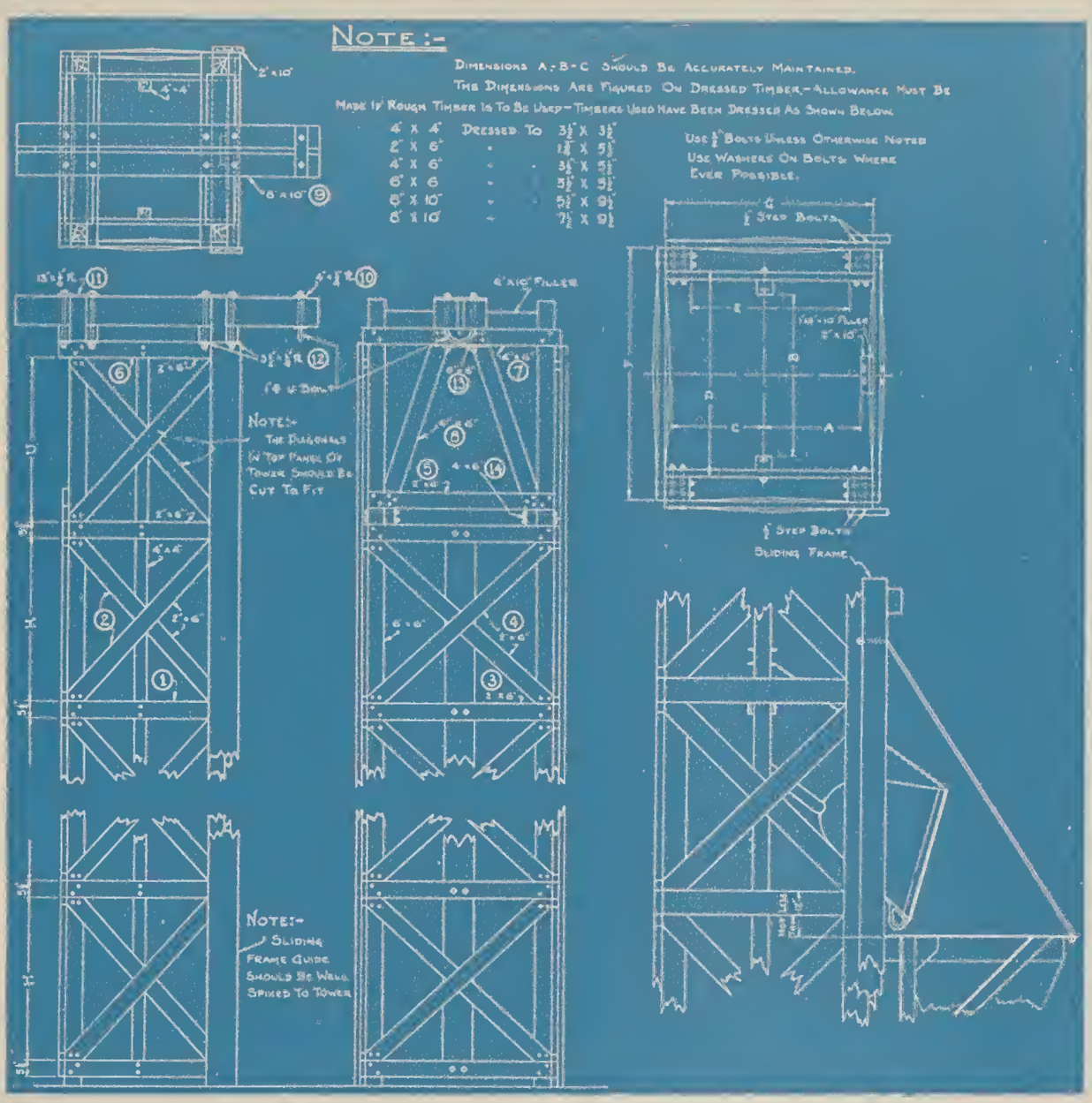
TYPE "O" ELEVATOR BUCKETS

For Use With Wood Towers

The Type "O" Elevator Buckets are for use with wood towers only. They are simple in operation, have few working parts and are as light as is consistent with good design. The capacities, both working and water level, are given for the various sizes on the opposite page. The bucket is balanced to dump forward and is held in the vertical or hoisting position by sliding against a nose board in the face of the tower. A heavy casting is placed on the nose of the bucket for this purpose. The Type "O" Bucket can be made to dump at any point by removing a section of the nose board. In dumping, this bucket pivots about two points and the arm supporting the first pivot point allows the bucket to reach through the face of the tower and over the tower receiving hopper, attaining a 45 degree discharge angle. Sheaves for double hoist line can be furnished extra where required.



WOOD TOWER FOR TYPE "O" ELEVATOR BUCKETS



Dimensions of Wood Tower for Use with Type "O" Elevator Buckets

No.	Elevator Buckets Working Capacity Cu. Ft.	Tower, Dimensions Inches A	B	C	D	E	F	G	H
808	8	25	40	24	50½	41½	61½	52½	54
814	14	30	46	27	56½	49½	67½	60½	62
822	22	33½	50	30	60½	56	71½	67	69½
828	28	33½	52	30	62½	56	73½	67	69½
835	35	38½	52	32	62½	63	73½	74	77½

NOTE—Dimensions given in above table are for dressed timber. Make allowance if rough timber is used.
A, B and C must not be varied.
For complete wood tower details, ask for Blue Print No. 10656.
The drawings and tables on this page give general information concerning the wood tower recommended for use with the Jaeger Lakewood Type "O" Elevator Buckets.

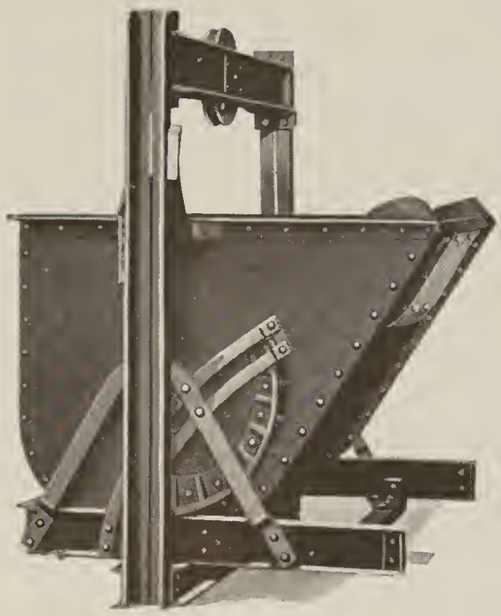
Type "O" Elevator Bucket Capacities and Dimensions

No.	Code Word	Capacity Working	Cu. Ft. Water Level	Wt. Lbs.	A	B	C	D	E	F	G	H	I	J	K	L	M	N
808	Wade	8	11	470	12	22	14	28	35⅛	38⅞	15	6	49½	3	28	30½	16	2
814	Wake	14	20	575	14⅝	26⅞	16	34	41⅜	44⅞	18	8	58	3	34	36½	18	2
822	Wale	22	28	672	17⅛	30⅜	18	38	45¾	48⅞	24	8	64½	3	38	40½	20	2
828	Wane	28	34	682	17⅛	30⅜	18	38	47¾	50⅞	24	8	64½	3	38	42½	20	2
835	Wed	35	40	945	19¾	35	21	44	47¾	50⅞	30	8	72½	3	44	42⅝	22	2
860	Wedding	60	66	1822	24	42	18	53½	54	57⅛	36	8	79¼	4	53½	48	17⅝	3
800	Win	..	..	105	Tilting Chute for feeding "Type "O" Elevator Buckets.													

All sizes of Type "O" buckets up to and including the No. 828 require 4" x 4" timbers for guides. The No. 835 and 860 require 4" x 6" guide timbers. For complete wood tower details, ask for Blue Print.

TYPE "L" ELEVATOR BUCKETS

Require Only Guide Timbers for Operation



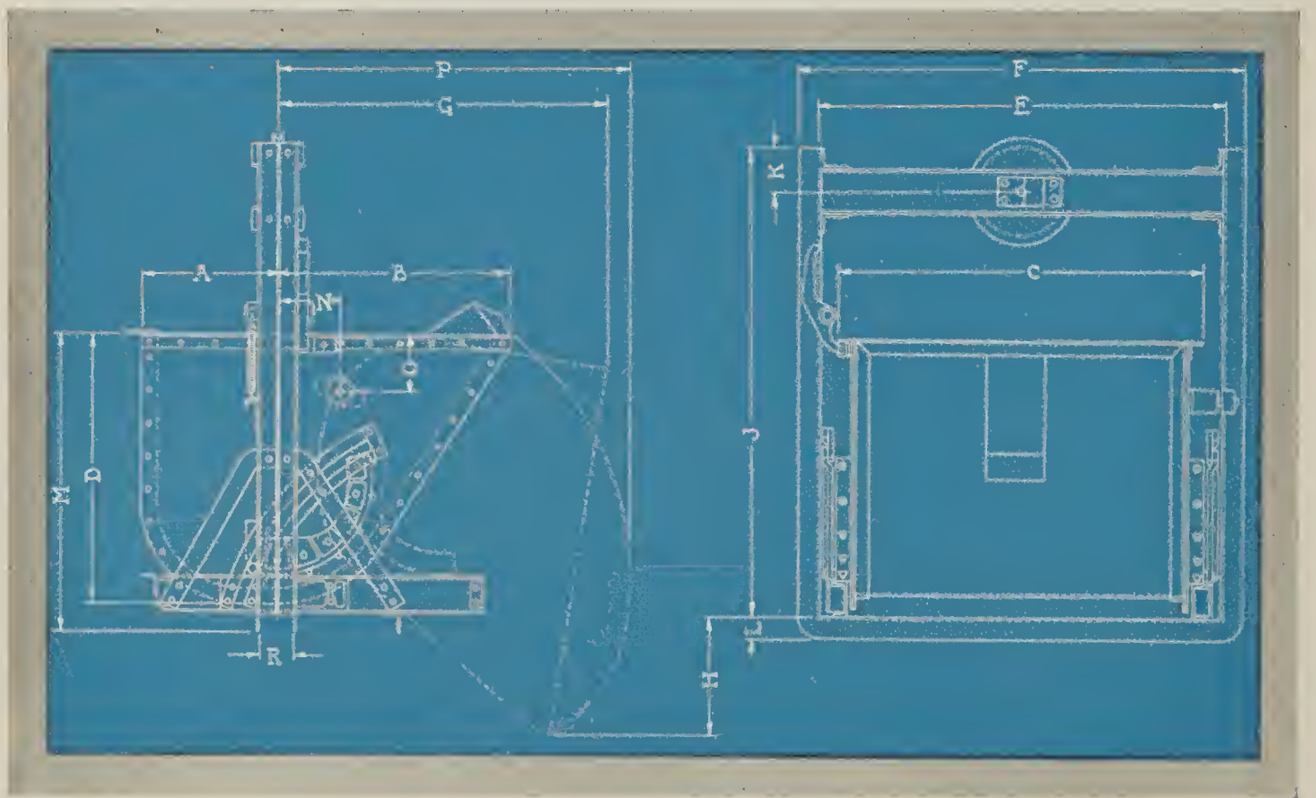
Type "L" Elevator Bucket

The Type "L" Elevator Bucket is a sturdy bucket of the latch and trigger type. It can be operated in any shaft by simply installing guide timbers. This feature makes it particularly valuable on fireproofing operations in steel buildings, as many times elevator shafts are available for installing guide timbers, thus eliminating the cost and need of a tower. The bucket is balanced to dump forward, but is held in the vertical or hoisting position by a spring latch on the side of the bucket. Dumping, the bucket first strikes a sliding iron on the tower hopper apron, which forces the bucket backward, relieving the load on the latch at the time it is released by a block on the tower guide, allowing the bucket to dump into the hopper.

This type of bucket can be used in the standard wood tower.

No. 651 Jaeger-Lakewood Elevator Bucket Dimensions

No.	Code Word	Capacity Working	Cu. Ft. Water Level	Wt. Lbs.	A	B	C	D	E	F	G	H	J	L	M	N	O	P	R
651	Wobe	14	17	790	15⅛	27⅞	36⅜	31⅞	41½	47	36¾	15¼	57½	3	35½	8½	6	40½	3¾
651	Woe	28	31	1300	18½	32¼	50½	36¾	55½	60½	45	17	63¾	3	40¾	9⅛	7¾	47¼	4⅝



Type "M" Tower Hopper
For Use With Concrete Carts Only

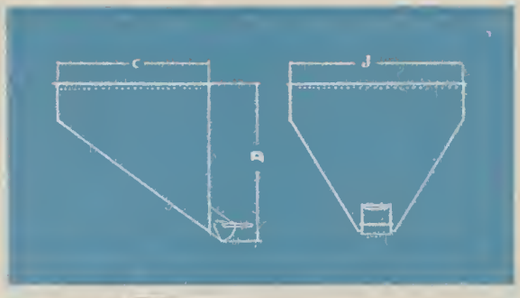
The Jaeger-Lakewood Type "M" Tower Hopper was designed primarily for use on jobs where concrete is to be distributed by concrete carts. The point of discharge is well away from the tower, thus allowing ample clearance for the carts when loading. These hoppers, in the 14, 24, and 30 cu. ft. sizes, are made of 12 gauge plate, while the 40 and 60 cu. ft. sizes are of 10 gauge plate. They are all equipped with an 8"x12" radial gate.

By means of a chute support angle and hook, which fastens around the gate of this hopper, it is possible to connect chute sections having M-4 Receiving Hoppers to the Type M Hopper. Gate operating lever can be extended for operation from the top of the hopper.

This hopper can be used with sliding frame or attached direct to tower by means of a hopper support angle.

Hopper can also be made into a floor hopper (as shown below) simply by the addition of standards, or it may be used as a charging hopper for elevator buckets in re-elevating towers, and on large chuting plants.

Type "M" Tower Hopper



TYPE "M" TOWER HOPPER

No.	Code Word	Capacity Working	Cu. Ft. Level Water	Wt.	C	D	J
114	Wall	14	18	300	42	44	42
124	Woman	24	27	300	48	47	56
130	Welfare	30	33	350	54	51½	56
140	Waste	40	46	495	60	56	68
160	Welt	60	65	550	60	64	68

Type "O" Floor Hopper

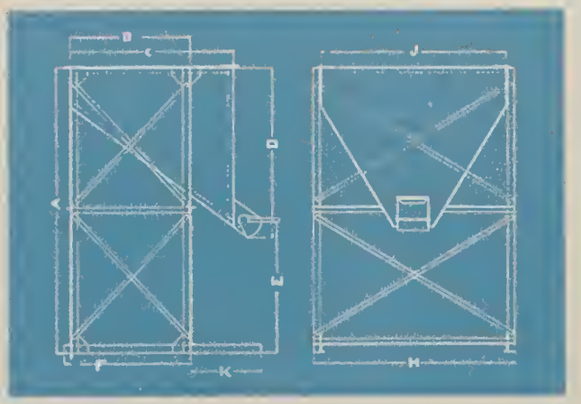
The Jaeger-Lakewood Floor Hopper is designed for holding concrete which is to be distributed to carts or wheel barrows. It consists of a Type "M" Tower Hopper, described above, bolted to steel standards.

Construction is such that the outfit is easily assembled or disassembled and stored compactly when not in use. Hopper can be used separately on jobs requiring a tower hopper, with all the flexibility and adaptability described above.

Type "O" Floor Hopper

TYPE "O" FLOOR HOPPERS—WEIGHTS, CAPACITIES AND DIMENSIONS

No.	Code Word	Capacity Working	Cu. Ft. Water Level	Weight	Size Gate	A	B	C	D	E	F	H	J	K
824	Wharf	24	27	645	8x12	87	32	48	47	47	34½	61	56	25½
830	Ware	30	33	745	8x12	93	38	54	51½	48	40½	61	56	25½
840	Wool	40	46	900	8x12	97	44	60	56	48	46½	74	68	25½
860	White	60	65	1060	8x12	105	44	60	64	48	46½	71	68	25½



JAEGER-LAKEWOOD PLACING EQUIPMENT

Jaeger-Lakewood Heavy Duty Material Towers, Masts, and Chuting Plants have been sold and used in the United States and foreign countries for over twenty-five years. They are found on some of the world's largest and most important engineering projects. We build a complete line for placing materials economically on every job from small schools and bridges to skyscrapers and big dams. Let our engineers help you with your problems.

SINGLE COMPARTMENT TOWER

416' heavy type JAEGER-LAKEWOOD tower used by the National Erection Corp., Lewis Tower Bldg., Phila., Pa.

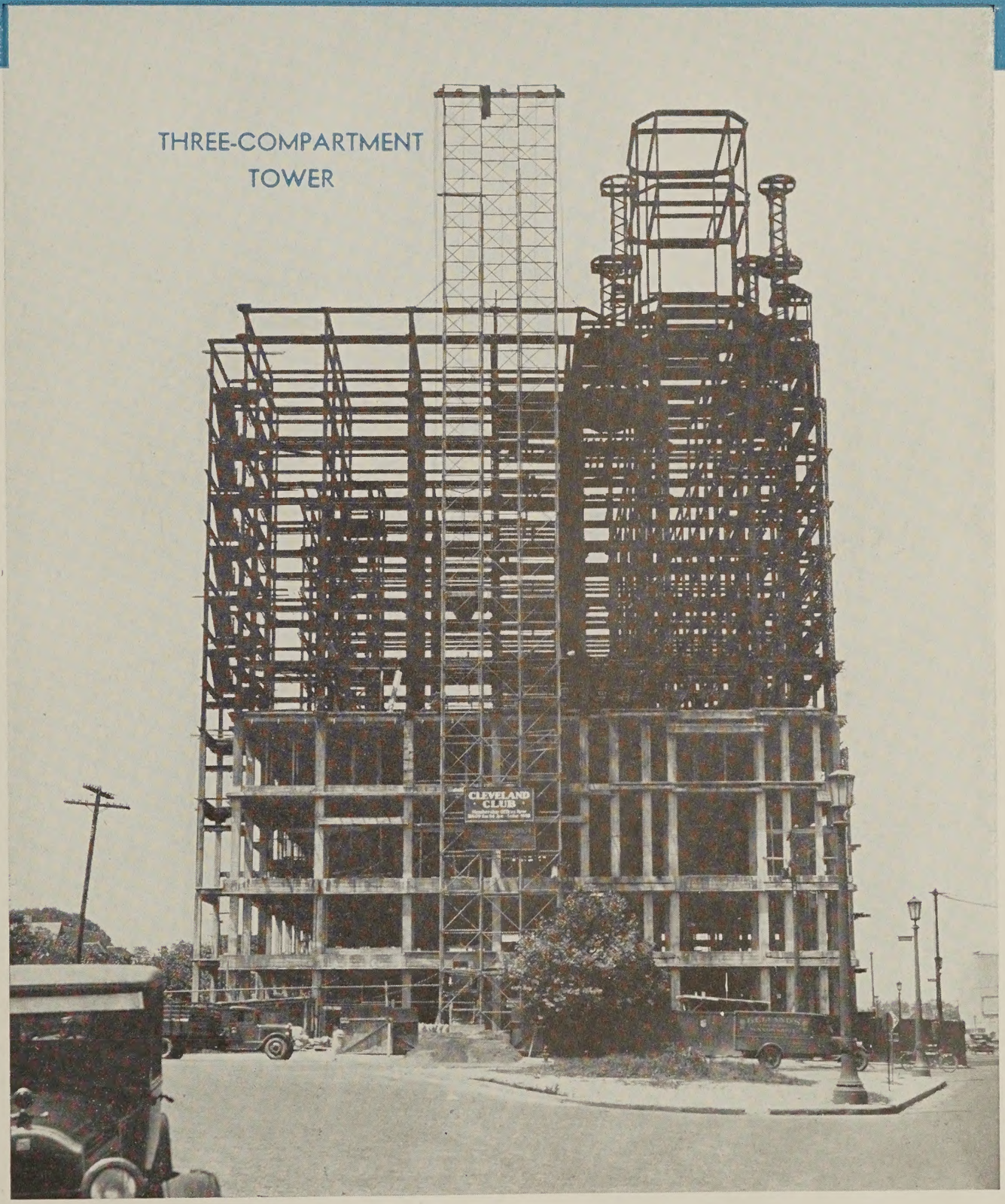
2 WHEELBARROW CAGES
Type "LA" Light Type
Type "HA" Heavy Type

3 WHEELBARROW CAGES
Type "LB" Light Type
Type "HB" Heavy Type

Advantages of Jaeger-Lakewood Material Tower

Page 32 illustrates a single compartment tower. Below is illustrated a three compartment tower. Compartments can be equipped with inside platforms for hoisting materials and inside buckets for hoisting concrete. They can also be equipped with material boom and chuting equipment. Single compartment towers can be equipped with outside bucket for concrete if desired.

These towers offer the most in attachments, flexibility and interchangeability of parts to meet various job conditions. Columns, girts, diagonals, cage guides, etc., of a given type of tower are interchangeable in parts and positions. Single, double and triple compartment towers can be made up of standard parts; high towers can be broken up in several smaller units.

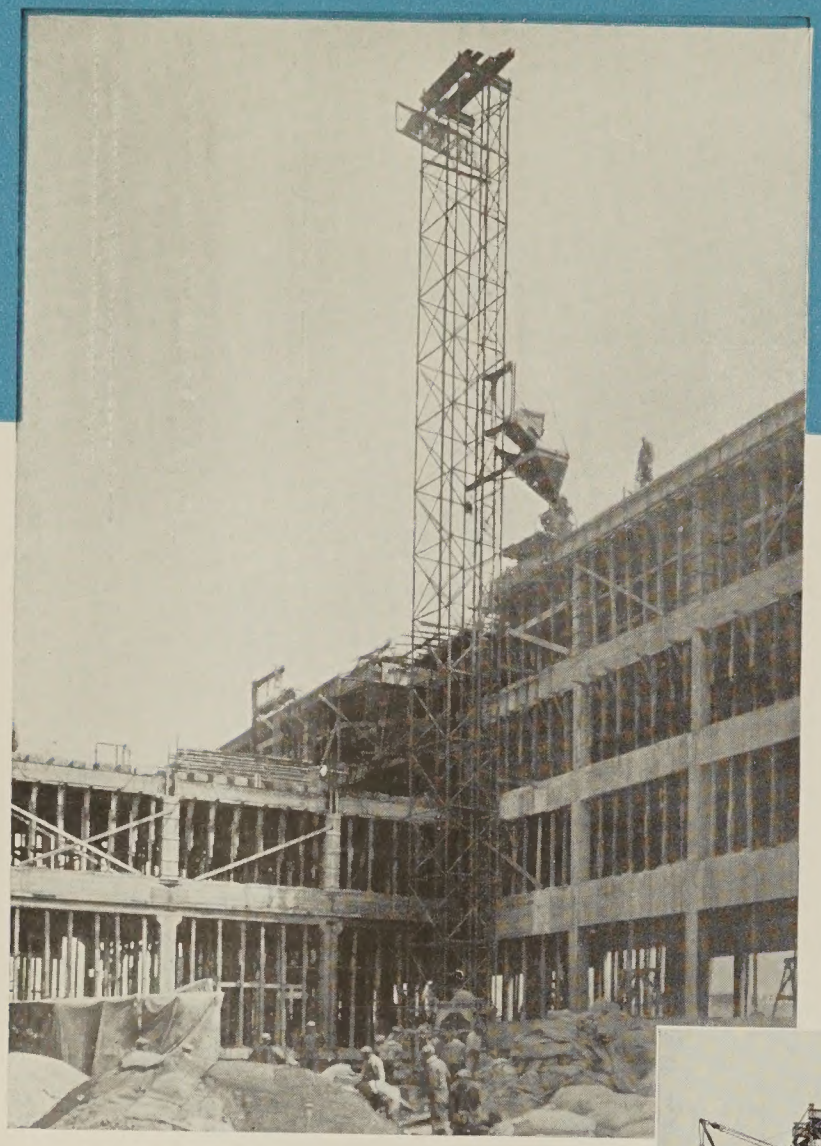


Triple-cage Jaeger-Lakewood material tower used by the Thompson-Starrett Company on a Cleveland, Ohio, job. Two cages were used for material; the third had a 1-yard elevator bucket for concrete.

2 Wheelbarrow Cages
Type "LA3" Light Type
Type "HA3" Heavy Type

3 Wheelbarrow Cages
Type "LB3" Light Type
Type "HB3" Heavy Type

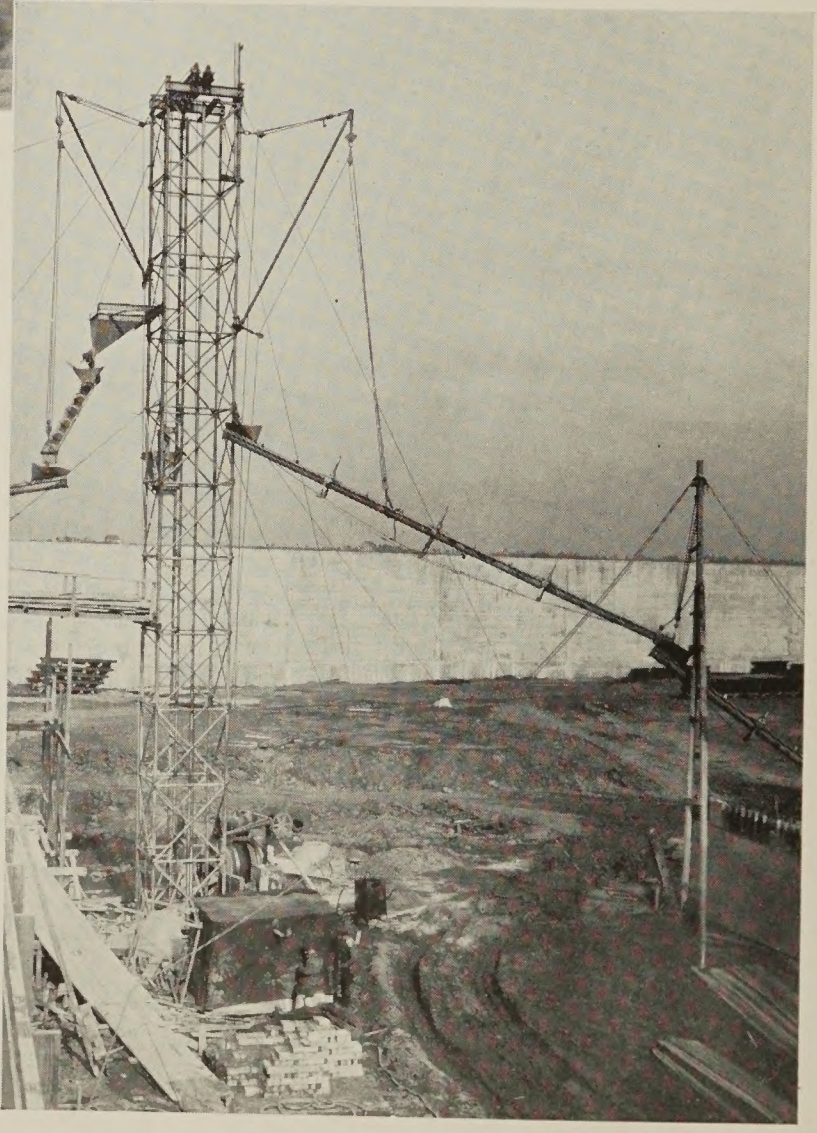
JAEGER-LAKEWOOD MATERIAL TOWERS



A Jaeger-Lakewood material tower equipped with outside type bucket and hopper as used by Van Sickle & Wertz, Oak Park, Ill.

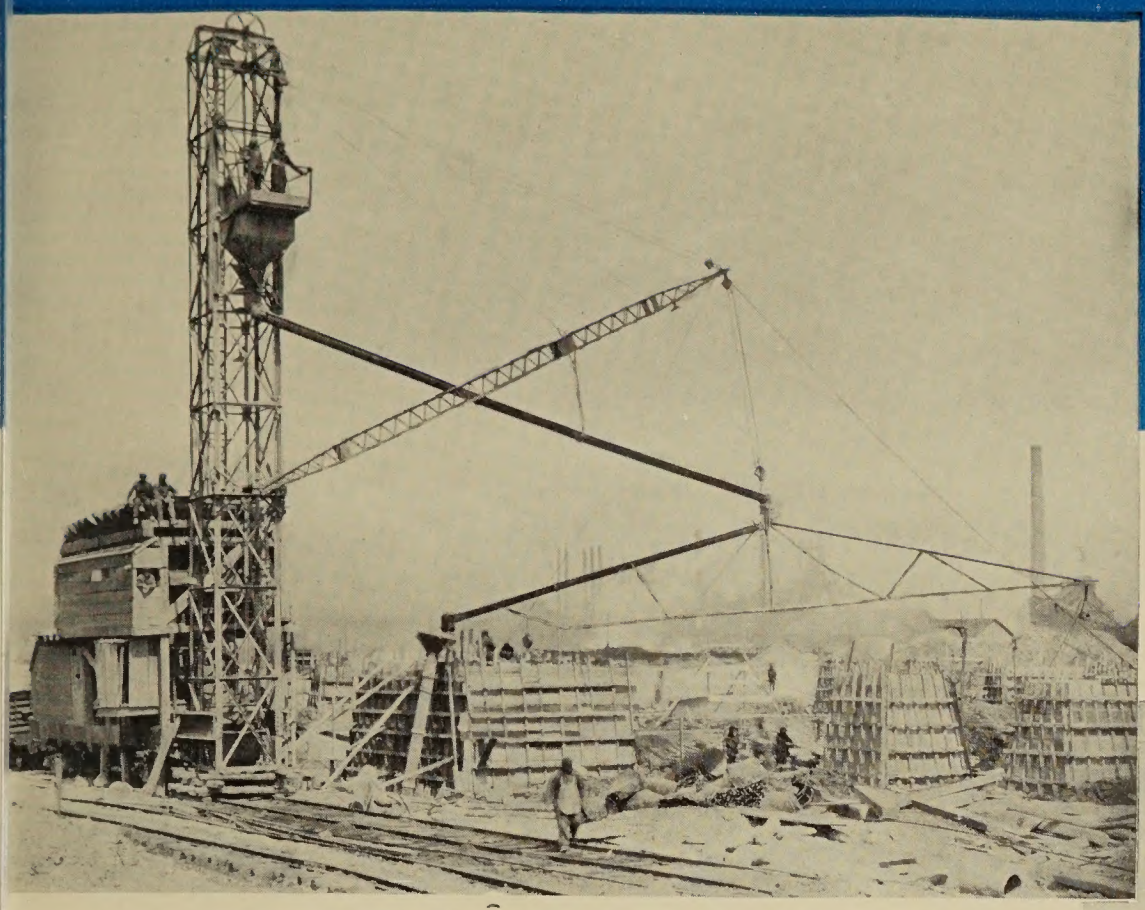
One of two 91' Jaeger-Lakewood Material Towers equipped with 27' elevator buckets used by the Pozzo Construction Company, Los Angeles, Cal.

Four Jaeger-Lakewood tubular towers, each with 27 cu. ft. inside bucket and 90 ft. radius boom counterweight plant, on St. Louis Auditorium job.



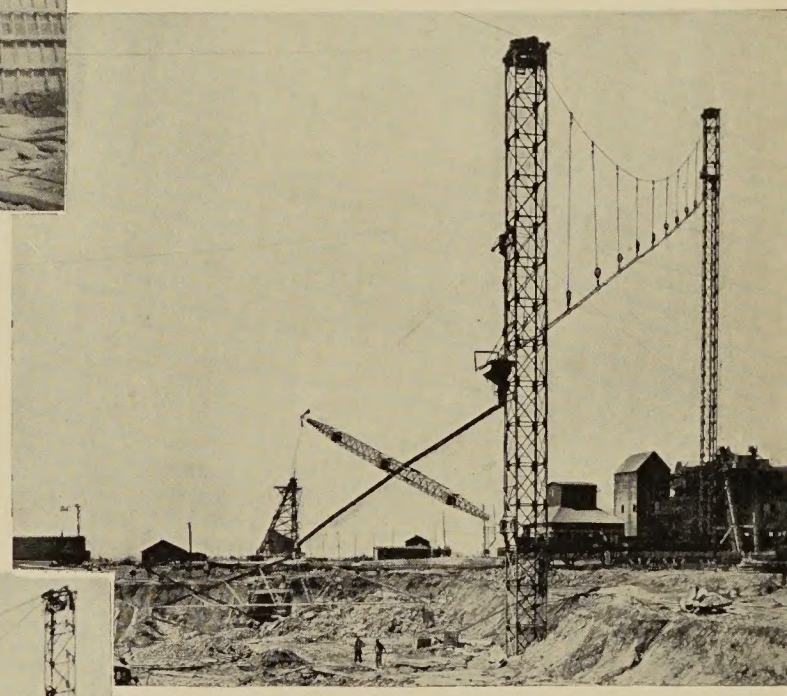
Above view shows a close-up of one of the Day & Zimmerman towers, indicating more clearly how the tower was rigged to handle two lines of chute feeding in opposite directions. Outside type bucket is shown approaching tower hopper. This is one of six towers so equipped.

JAEGER-LAKEWOOD MATERIAL TOWERS

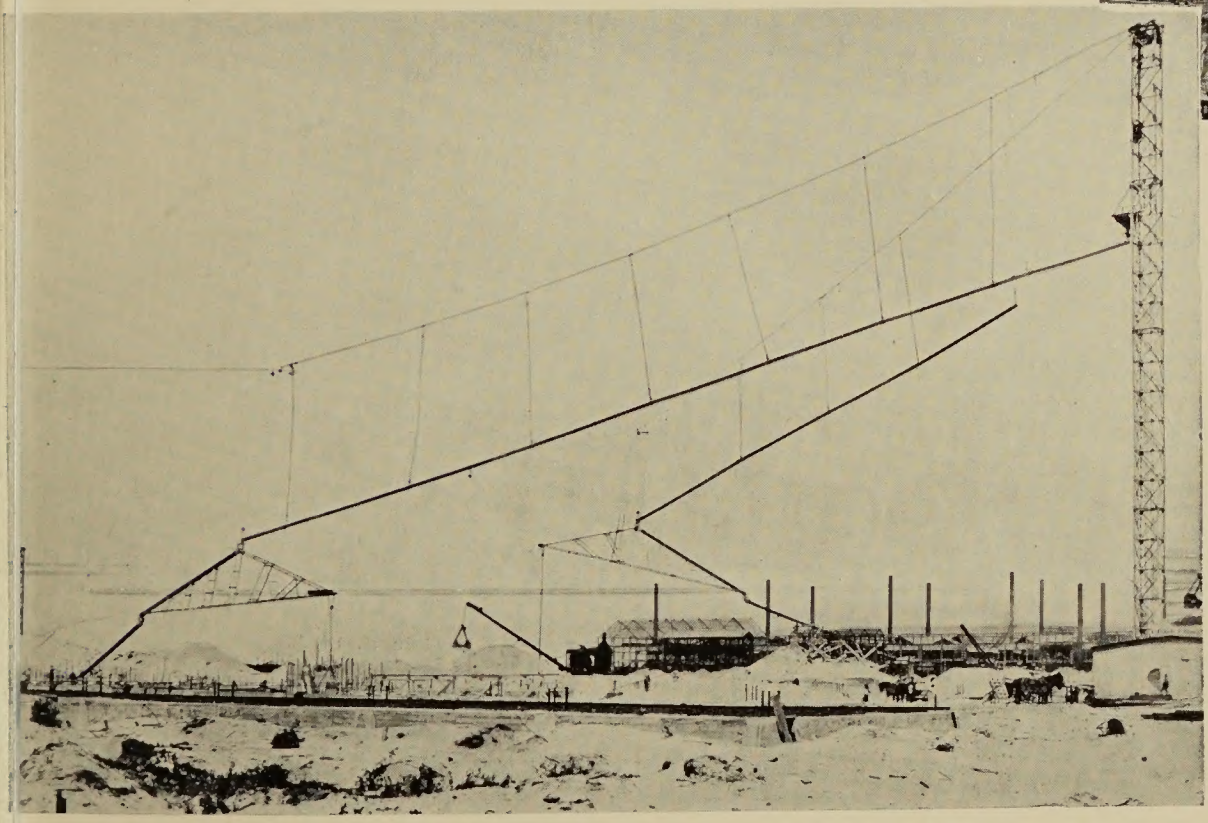


Two Jaeger-Lakewood Steel Towers used by John Griffiths & Sons, Chicago, Ill. The boom plant in the foreground is equipped with 75-ft. boom, making working radius of the plant 125 ft., without extension chutes beyond counterweight.

One of the three car plants used by the Otis Steel Co., Cleveland, Ohio. Each plant includes a 1-yd. Jaeger-Lakewood mixer with steel tower and boom counterweight plant.

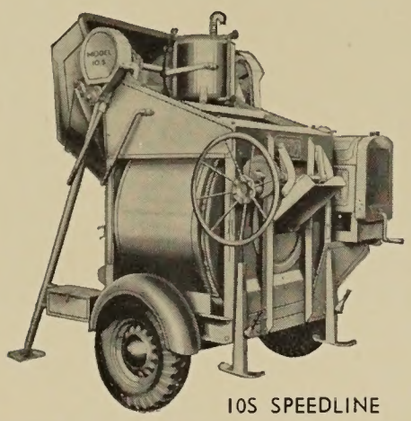


Shaver Lake Dam, Arizona—500 ft. double compartment steel towers with 81 cu. ft. elevator buckets and 18" half-round arch band chute.



A 180-ft. Jaeger-Lakewood Steel Tower Plant used by the Mellon Construction Company of Gary, Ind.

JAEGER MIXERS . . . ADVANCED TYPES . . . 3½S to 56S

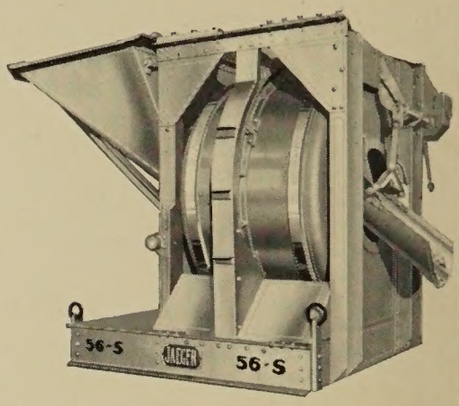


10S SPEEDLINE

Over 100,000 users prove the superiority of Jaeger Mixers . . . a line that includes "fast to the job, fast on the job" 5S, 7S, 10S, and 14S End Discharge Speedline Mixers, Standard Side Discharge Mixers in 7S and 10S sizes, Heavy Duty Stationary Plant Mixers up to 56S, Tilting Mixers in 3½S, 5S and 7S sizes, and the fast, popular priced "Utility" Half-Bag Mixer with Measuring Batch Hopper.

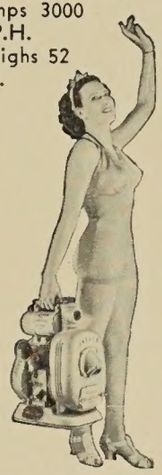
Jaeger advanced construction, with Automotive Type Transmission, Machined Steel Drum Tracks and faster loading and discharge, assures more batches of better mixed concrete per day, greater dependability, longer life.

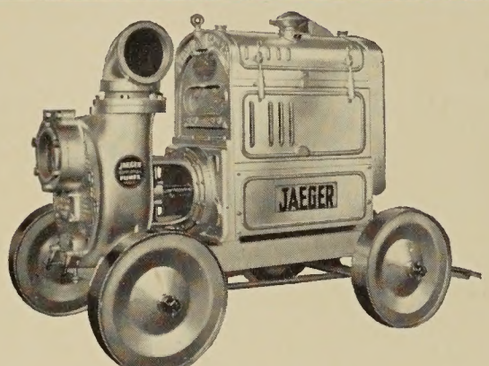
Write for latest catalogs: Non-Tilt Mixers, Catalog NT-40; Tilting Mixers, Catalog T-40.



56S HEAVY DUTY PLANT MIXER

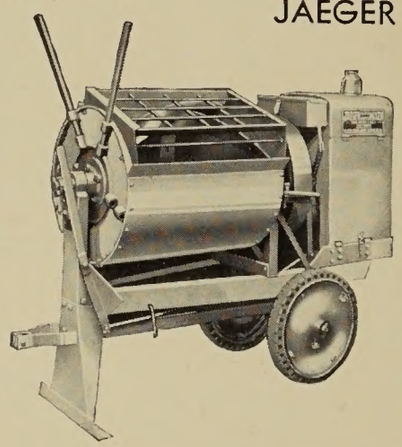
"Bantam" Pump
Pumps 3000
G.P.H.
Weighs 52
Lbs.





JAEGER "Sure Prime" PUMPS

Sizes 1½" to 10" capacities to 220,000 G. P. H. World's largest selling line. Also Jetting Pumps, Road Pumps, Well Point Systems. Catalog P-40.



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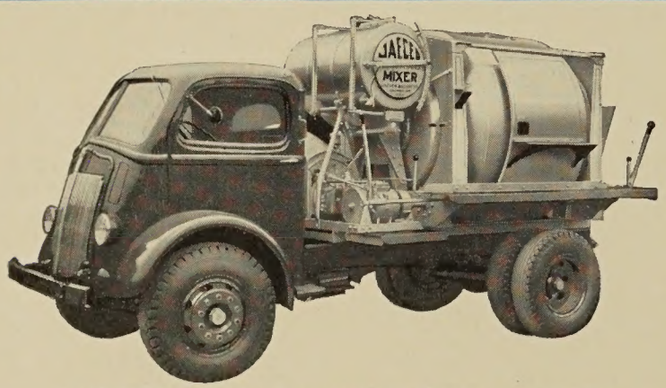

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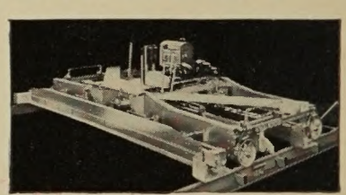

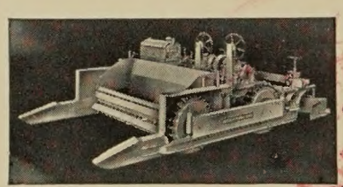

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